Biological Data from Experimental Fisheries at Lakes in the Deh Cho Region of the Northwest Territories, 1996-2000

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BIOLOGICAL DATA FROM EXPERIMENTAL FISHERIES A[illegible]LAKES IN THE DEH CHO REGION OF THE NORTHWEST TERRITORIES, 1996-2000

by

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PREFACE

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ABSTRACT

Stewart, D.B., Taylor, P.L., Taptuna, W.E.F., Lockhart W.L., Read, C.J., and Low, G. 2003. Biological data from experimental fisheries at lakes in the Deh Cho region of the Northwest Territories, 1996-2000. Can. Data Rep. Fish. Aquat. Sci. 1127: x + 116 p.

In 1996, the Liidlii Kue First Nation and the Department of Fisheries and Oceans (DFO) began a co-operative management program to collect baseline data on the fish stocks in lakes most used by the Dene and Metis of the Fort Simpson area. In 1999, the Jean Marie First Nation joined this study, having mutual interest in some of these stocks. Both First Nations were concerned that future development might affect the fish stocks they have traditionally used and wanted to document their present status. This program continued through February 2000. Cli, Deep, Little Doctor, Sibbeston, Tsetso, Willow, and six unnamed lakes were sampled. The latter are known locally as "Ekali", "Gargon", "McEwan", "McGill", "Reade" and "Sanguez" lakes. Burbot (*Lota lota*), lake cisco (*Coregonus artedii*), lake trout (*Salvelinus namaycush*), lake whitefish (*Coregonus clupeaformis*), longnose sucker (*Catostomus catostomus*), northern pike (*Esox lucius*), white sucker (*Catostomus commersoni*) and yellow walleye (*Stizostedion vitreum*) were caught. This report presents data on the number and weight of fish caught per unit of sampling effort; on the age, length, weight, sex and maturity of the fish; and on the concentrations of heavy metal contaminants in the flesh, including methylmercury and total arsenic, mercury, and selenium.

Key words: fishery management; population parameters; fish growth; CPUE; tissue metals; Mackenzie River Basin.

RÉSUMÉ

Stewart, D.B., Taylor, P.L., Taptuna, W.E.F., Lockhart W.L., Read, C.J., and Low, G. 2003. Biological data from experimental fisheries at lakes in the Deh Cho region of the Northwest Territories, 1996-2000. Can. Data Rep. Fish. Aquat. Sci. 1127: x + 116 p.

En 1996, la Première nation Liidlii Kue et le ministère des Pêches et des Océans (MPO) ont entamé un programme de gestion concertée en vue de recueillir des données de base sur les stocks de poisson retrouvés dans les lacs les plus pêchés par les Dénés et les Métis de la région de Fort Simpson. En 1999, la Première nation Jean Marie, qui s'intéresse à certains de ces stocks, s'est jointe à cette étude. Les deux Premières nations voulaient documenter l'état actuel de ces stocks, qu'elles pêchent depuis longtemps, car elles s'inquiétaient que le développement futur pourrait leur nuire. Ce programme s'est poursuivi jusqu'en février 2000. Les lacs Cli, Deep, Little Doctor, Sibbeston, Tsetso et Willow, ainsi que six autres lacs non nommés mais appelés localement les lacs Ekali, Gargon, McEwan, McGill, Reade et Sanguez, ont été échantillonnés. Les prises se composaient de lotte (*Lota lota*), de cisco de lac (*Coregonus artedii*), de touladi (*Salvelinus namaycush*), de grand corégone (*Coregonus clupeaformis*), de meunier rouge (*Catostomus catostomus*), de grand brochet (*Esox lucius*), de meunier noir (*Catostomus commersoni*) et de doré jaune (*Stizostedion vitreum*). Sont présentées dans ce rapport les données sur le nombre et le poids des poissons capturés par unité d'effort d'échantillonnage, leur l'âge, leur longueur, leur sexe et leur stade de maturité, ainsi que sur les teneurs en métaux lourds dans la chair, y compris le méthylmercure et l'arsenic total, le mercure et le sélénium.

Mots clés : gestion des pêches; paramètres de population; croissance du poisson; PUE; métaux lourds; bassin du fleuve Mackenzie.

INTRODUCTION

Several lakes in the Deh Cho region, near the communities of Fort Simpson and Jean Marie River, are very important harvest areas for the Dene and Metis (Fig. 1). Members of the Liidlii Kue and Jean Marie First Nations harvest fish from these lakes for food and to support their traditional lifestyle and culture. They are concerned that oil and gas exploration and other developments may affect the population status of these fish stocks and the health of the individual fish, and that contaminants may affect the fish and those who eat them.

In 1996, the Liidlii Kue First Nation and the Department of Fisheries and Oceans (DFO) undertook a co-operative program to address community concerns about the fisheries in lakes most used by the Dene and Metis of the area. In 1999, the Jean Marie First Nation joined this study; having mutual interest in some of these stocks. The fieldwork, which began in March 1996 and continued through February 2000, was funded by DFO under the Aboriginal Fisheries Strategy (AFS). The Department of Indian Affairs and Northern Development (DIAND), under its Northern Contaminants Program, funded the analysis of flesh samples for heavy metals.

The main objectives of this research were to involve First Nations in the management of their fisheries; and to gather biological data from the stocks they harvest, in order to address community concerns. This report presents data collected during the study in tabular form to serve as baseline data for future stock assessment studies in the area.

MATERIALS AND METHODS

Twelve lakes were sampled between March 1996 and February 2000, in the vicinity of Fort Simpson and Jean Marie River, NT (Fig. 1):

Cli	(61°59'00"N, 123°18'00"W)
Deep	(61°12'30"N, 120°54'30"W)
"Ekali"	(61°17'30"N, 120°35'00"W)
"Gargon"	(61°15'00"N, 120°23'00"W)
Little Doctor	(61°53'00"N, 123°15'00"W)
"McEwan"	(60°49'00"N, 119°57'00"W)
McGill	(61°18'00"N, 121°00'45"W)
"Reade"	(60°54'00"N, 119°55'00"W)
"Sanguez"	(61°15'00"N, 120°29'00"W)
Sibbeston	(61°45'00"N, 122°45'00"W)
Tsetso	(61°51'00"N, 123°01'00"W)
Willow	(62°10'00"N, 119°08'00"W).

Map coordinates for lakes with official geographical names were obtained from Geographical Names Board of Canada (http://geonames.nrcan.gc.ca). Co-ordinates for lakes with unofficial names, shown in quotations (e.g. "Ekali") were taken from 1:250,000 scale NTS maps.

Sampling was conducted in winter, when the lakes are accessible by snowmobile and the fish in each lake are well dispersed. Winter is generally the season when these lakes are fished by the Dene and Metis of the area. Little Doctor and "Sanguez" lakes were sampled in the winter of 1996; Sibbeston and Tsetso in the winter of 1997; Willow in March 1999; and Deep, "McEwan", "McGill", and "Reade" lakes were sampled in the winter of 2000. The duration of sampling at each lake was short, usually 5 to 11 days.

The Liidlii Kue First Nation was contracted to conduct the field-sampling program on all but Deep and "McGill" lakes, which were contracted to the Jean Marie First Nation. Local Dene, who brought their traditional knowledge of the land and fisheries to the study, were hired by the First Nations organizations to conduct the fieldwork. Most of them were taught on-site to collect and record biological data and aging structures from each species of fish. They were shown how to record data on scale envelopes, complete catch-per-unit-effort forms for gillnetting, and to package and label whole fish or tissue samples for heavy metal analysis.

Trappers with camps in the area were interested in the commercial fishing potential of Sibbeston and Tsetso lakes. The Liidlii Kue First Nation supported this project with funding from the AFS program. The trappers set commercial gillnets (114 mm and 140 mm mesh, stretched measure) and kept track of their sets and lifts. They sent all of the fish they caught to DFO in Hay River where fisheries technicians sampled the catch for biological data and took aging structures and tissue samples for heavy metals analysis.

Fish were captured using single-mesh, sinking gillnets. These nets were 91 m (100 yards) long and 1.83 (6 ft) or 3.66 m (12 ft) deep, with stretched mesh sizes of 89, 102, 114, 133 or 140 mm. They were constructed of 210-3 woven white nylon with a float line on top, a lead line on the bottom, and a bridle at each end. Nets were set overnight, on the bottom, singly or in mixed-mesh gangs and were usually pulled the following day. The location and duration of each gillnet set was recorded. Fish caught were separated on the basis of mesh size.

Fish were identified to species and sampled for round weight ± 10 g (Superior Weighing Systems Ltd. Accu - weigh model DSY-1100), fork length or total length (burbot) ± 5 mm, and sex and maturity (Appendix 1). Ageing structures (pelvic fins, dorsal spines, sagittal otoliths) were removed and preserved in scale envelopes for age determination in the laboratory. A subsample of whole fish or fish tissue was bagged and preserved frozen for laboratory analyses of contaminants and disease identification.

Catch per unit effort

The catch per unit of sampling effort (CPUE) was determined for selected species at each sampling location. Where possible, the mean, standard deviation and range of the CPUE are reported by species for each gillnet mesh in terms of both the number and round weight (kg) of fish taken per 100 m of gillnet set for a 24 h period. Since both 1.83 m (6') and 3.66 m (12') deep nets were used for the study, sometimes at the same location, care must be taken when comparing the catch effort data.

Subsampling of the catch prevented the calculation of catch effort by weight for some species and mesh combinations at Little Doctor and "Sanguez" lakes in 1996. In 1997, at Sibbeston and Tsetso lakes the fish were frozen immediately and bagged by mesh size for later laboratory examination. This pooling of the frozen samples without individual labels prevented the calculation of catch effort by weight for these lakes.

Condition

The condition factor (K), a relative measure of the plumpness or robustness of the fish, was determined using the following formula:

$$K = (\text{round weight in g} \cdot 10^5) \cdot \text{fork or total length in mm}^{-3}$$

Age determination

Fish ages were determined by examinations of pelvic fins, dorsal fin spines, or sagittal otoliths. The structure used to age each species at each lake is shown in Table 73.

Ages of lake cisco, northern pike, yellow walleye and most lake whitefish, were determined from fin or spine cross sections following the technique used by Chilton and Beamish (1982). One fin or dorsal spine from each fish was embedded in epoxy and then sectioned across its longitudinal axis near the base, using a Buehler Isomet low speed saw. The sections were mounted on microscope slides, examined at 10X power with transmitted light, and interpreted using the criteria described by Chilton and Beamish (1982).

Burbot ages were determined from sagittal otolith cross-sections using the break and burn method. One otolith from each fish was broken through the nucleus and the exposed surfaces were heated over a hot plate until they turned light brown. The burned surfaces were then coated with glycerine and examined under a binocular dissecting microscope using reflected light. Annual growth rings were interpreted using the criteria described by Nordeng (1961).

The ages of lake trout, and of lake whitefish from Sibbeston and Tsetso lakes, were determined from sagittal otoliths. In the laboratory, the convex surface of each otolith was ground on a fine carborundum stone. The otoliths were then immersed in benzyl-benzoate on a depression slide and the annual growth rings were counted using a dissecting microscope. The trout were aged according to the method of Nordeng (1961), where the dark central core is considered to represent the first winter's growth.

Tissue metals analyses

Tissue samples from fish frozen on site at the lakes were analysed for heavy metal contaminants at the Freshwater Institute Science Laboratory in Winnipeg. Total arsenic (As), total mercury (Hg) and total selenium (Se), and methylmercury (MeHg) concentrations in muscle tissue were determined and reported as ig/g wet weight. Table 74 is a key to which analyses were conducted on the fishes sampled at each lake. A description of the analytical methods follows (R. Hunt and G. Boila, DFO, Winnipeg, pers. comm.).

All acids used in this study were trace metal analysis grade (concentrated) unless otherwise specified. All water was distilled and de-ionized. Commercial AA standards, reagent blanks, and standard reference materials were digested concurrently with the samples. Test tubes used for digestion were 25 x 200 mm Pyrex glass and were washed with 10% nitric acid followed by de-ionized water prior to use. The aluminum block heater used for digestions was both time and temperature programmable. Standard reference materials (National Research Council) are analysed with each sample. The following

summaries are intended to convey critical method parameters for publication rather than serve as a methods manual.

Total mercury was analysed using the "hot block digestion--cold vapour atomic absorption method" (Hendzel and Jamieson 1976). A small sub-sample of wet tissue (0.2 g) was digested with 5 mL of 4:1 sulfuric:nitric acids at 180°C for 12 h, cooled and diluted to 25 mL with water. Elemental mercury was released from this solution with a stannous chloride reductant and carried by a stream of air to a LDC model 3200 Mercury Monitor for atomic absorption detection (detection limit 0.01 $\mu g \cdot g^{-1}$).

Total arsenic was analysed using the "borohydride reduction method" (Vijan and Wood 1974). A small sub-sample of wet tissue (0.8 g muscle, 0.4 g liver, 0.4 g kidney) was digested with nitric (4 mL), sulfuric (0.5 mL), and perchloric (1 mL) acids for 5 h at 130 °C, followed by 2 h at 200°C. After addition of hydrochloric acid (7.5 mL) and then water (15 mL), the solution was heated to 90 °C for 1 h, cooled and adjusted to 25 mL with water. Arsine gas was generated from this solution by the automated addition of 2% sodium borohydride and 10% potassium iodide solutions and swept by a nitrogen stream into an electrically heated quartz tube furnace (800°C) installed in the burner cavity of a Varian SpectrAA-20 atomic absorption spectrophotometer (detection limit 0.05 $\mu g \cdot g^{-1}$ for arsenic and selenium).

Selenium was measured using the same techniques and instrumentation as arsenic, with the exception that the 10% potassium iodide solution was not added.

Methylmercury (MeHg) was extracted from a small sample (1 g) of wet muscle tissue and analysed using a Varian Model 3400 gas chromatograph following the method described by Wagemann *et al.* (1997). The absolute detection limit was 0.01 to 0.08 $\mu g \cdot g^{-1}$ Hg in wet tissue, depending upon the dilution.

Fish health

Fish exhibiting symptoms of disease were frozen and sent for diagnosis to the Fish Health Section at the DFO laboratory in Winnipeg. Fish from Willow Lake were inspected for parasites encysted on gut tissue, free-living in the swimbladder (*Cystidicola* sp.), and encysted in the muscle (*Triaenophorus crassus*).

RESULTS

Species captured during the sampling program included: burbot (*Lota lota*), lake cisco (*Coregonus artedii*), lake trout (*Salvelinus namaycush*), lake whitefish (*Coregonus clupeaformis*), longnose sucker (*Catostomus catostomus*), northern pike (*Esox lucius*), white sucker (*Catostomus commersoni*), and yellow walleye (*Stizostedion vitreum*). Biological data from the individual fish sampled are archived in Appendices 2 through 13.

A series of histograms illustrate the age- and length-frequency distributions for lake whitefish from "McEwan" (Fig. 12+13), "Reade" (Fig. 18+19), Sibbeston (Fig. 24-27), Tsetso (Fig. 30+31), and Willow lakes (Fig. 36+37); and for yellow walleye from Tsetso Lake (Fig. 32+33). In each case, the data are either from one mesh size of gillnet or are the combined catches of 89, 114, and 140 mm mesh gillnets with similar sampling effort. Frequency distributions were not illustrated for other sites or species where sample sizes were <50 for a given mesh or where fishing efforts did not give a balanced view of the stock composition. In the latter cases, the fishing efforts were either so uneven between mesh sizes that their catches could not reasonably be combined to provide an overview of the stock composition, or gear types with different catchability (e.g. 1.83 or 3.66 m deep nets) were used.

The period and duration of gillnet sets, and the number and weight of each species caught in a set, are summarized by sample site and mesh size in Tables 1 through 12.

Catch effort data are not available for some fish species or weights due to unplanned changes in the field sampling program or problems with recording the field data. The weight and/or number of fish caught per unit of sampling effort are summarized by mesh size for the 1996 and 1997 sampling in Tables 13 through 24. Care must be taken when comparing these numbers since some catch effort data are expressed as catch per 24 h/100 m of 1.83 m (6') deep net, and others as catch per 24h/100 m of 3.66 m (12') deep net.

Length and age composition data for each species are presented, by sex when possible and for all meshes combined or for each gillnet mesh size, where >20 fish of the species were taken.

Catch data from the 89, 114, and 140 mm mesh size gillnets were combined for cisco at "McEwan Lake" (Table 41); lake trout at Willow Lake (Tables 68+69); lake whitefish at Deep (Tables 29+30), "McEwan"

(Tables 42+43), McGill (Tables 44+45), "Reade" (Tables 50+51), and Willow lakes (Tables 70+71); northern pike at McGill (Tables 46+47), "Reade" (Table 52+53), and Willow lakes (Table 72); and for yellow walleye at McGill Lake (Tables 48+49). At each of these lakes the sampling effort was similar for each gillnet mesh size. Catch data from a single gillnet mesh size was presented for lake whitefish at Sibbeston (Tables 60-63) and for lake whitefish and yellow walleye at Tsetso Lake (Tables 64-67). These data and the combined samples listed above provide useful data on fish growth for comparison with future studies. They also provide an overview of the population structure, which can be compared with future assessments of population structure.

Catch data are also presented for a number of locations where the sampling effort by each mesh size varied, did not include the 89, 114 and 140 mm mesh sizes, or was unknown. They include tables for lake cisco at "Ekali" Lake (Tables 31+32); lake trout at Cli (Tables 25+26); lake whitefish at Cli (Tables 27+28), "Ekali" (Tables 33+34), "Gargon" (Tables 35+36), Little Doctor (Tables 37+38), and "Sanguez" lakes (Tables 54+55); northern pike at "Sanguez" Lake (Tables 56+57); and yellow walleye at Little Doctor (Tables 39+40) and "Sanguez" lakes (Tables 58+59). These tables provide managers with a general overview of the age and length relationships within the populations. They provide useful data on fish growth for comparison with future studies, but do not provide an accurate overview of the population structure for comparison with future assessments of population structure.

Results of the contaminant analyses are reported in Appendices 2 through 13. All raw data were reported to the Liidlii Kue First Nation, the Jean Marie First Nation, the Northern Contaminants Committee, and the GNWT Department of Health and Social Services. Scatter plots relating total mercury in the flesh to the age and length of the fishes sampled are provided for Cli (Fig. 2+3), Deep (Fig. 4+5), "Ekali" (Fig. 6+7), "Gargon" (Fig. 8+9), Little Doctor (Fig. 10+11), "McEwan" (Fig. 14+15), McGill (Fig. 16+17), "Reade" (Fig. 20+21), "Sanguez" (Fig. 22+23), Sibbeston (Fig. 28+29), Tsetso (Fig. 34+35), and Willow lakes (Fig. 38+39). The horizontal line on these plots shows Health Canada's upper limit on total mercury in the flesh of freshwater fish that are sold in Canada, 0.5 $\mu g \cdot g^{-1}$ wet weight (CFIA 2002). Results that showed elevated mercury levels in fish were reported to Health Canada and GNWT Health to determine if health advisories were necessary.

Thirteen workers from Fort Simpson or Jean Marie River contributed their extensive traditional knowledge of the land, lakes, and fisheries of the area to this study. For most, it was their first exposure to collecting scientific data. While there were some problems with the data, they learned DFO sampling techniques and gained understanding of this type of information gathering for future work and for meetings dealing with fisheries management issues. In turn, DFO personnel learned about the lakes and fisheries important to these Deh Cho communities.

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Fish ages were determined from otoliths by Gary Carder; from fin rays and dorsal spines by Laura Heuring; and from fin rays by Paul Graveline of North/South Consultants Ltd. Fish were analysed for contaminants by Joanne Delaronde and Gail Boila of DFO Winnipeg. Joanne Delaronde, Blair Dunn and Dale McGowan of DFO Winnipeg, and Cécile Stewart of Arctic Biological Consultants undertook careful reviews of the manuscript at various stages. Your participation has greatly strengthened this project and we thank you.

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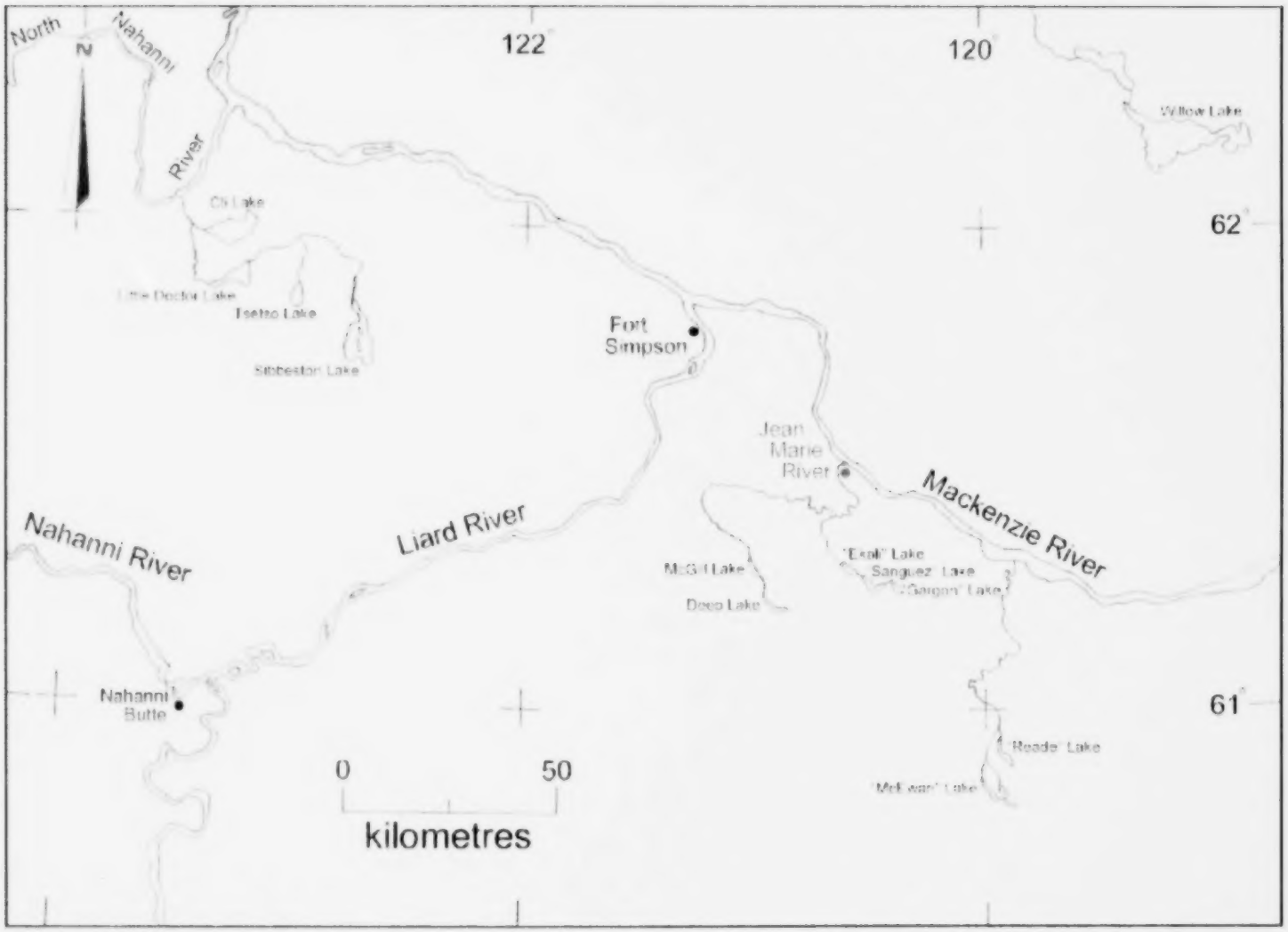

Figure 1. Map of the Fort Simpson/Jean Marie River area, Northwest Territories, showing the lakes sampled.

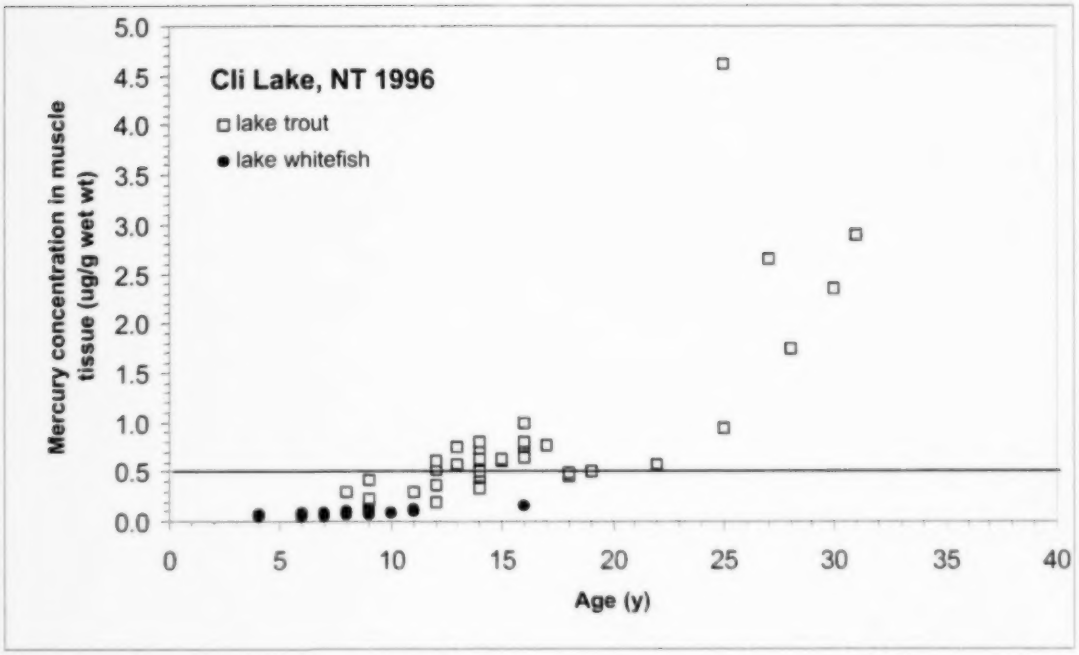

Figure 2. Scatter plot of age vs total mercury concentration in the muscle tissue of fish taken from Cli Lake, NT, in March 1996. Line indicates commercial limit (CFIA 2002). (Note: the Y-axis scale is different from that of other mercury figures in this report.)

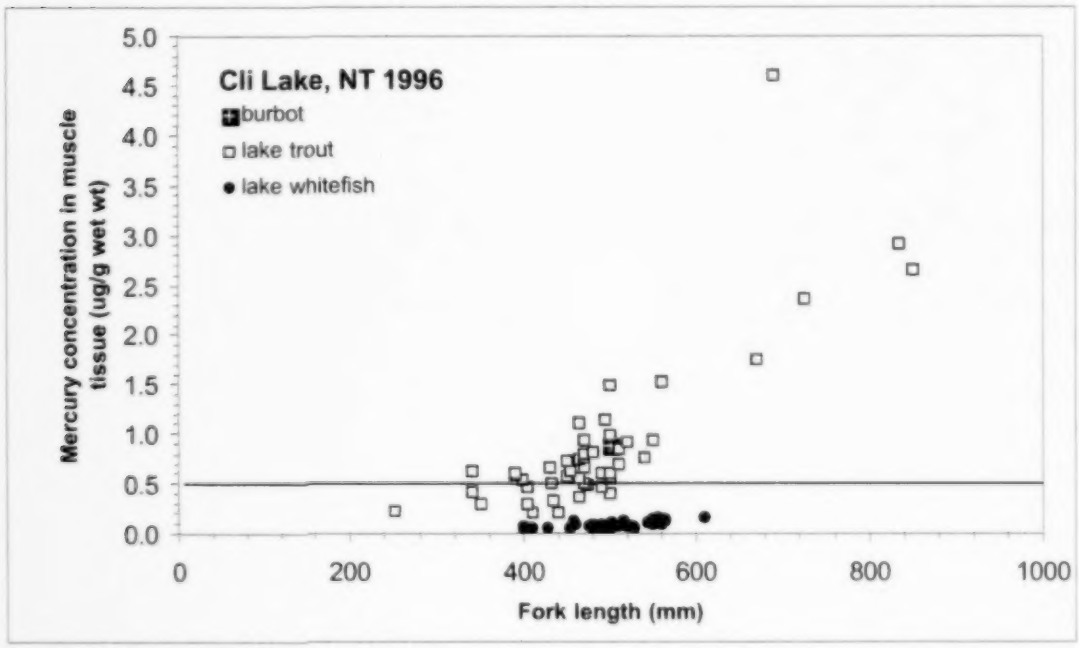

Figure 3. Scatter plot of fork length vs total mercury concentration in the muscle tissue of fish taken from Cli Lake, NT, in March 1996. Line indicates commercial limit (CFIA 2002). (Note: the Y-axis scale is different from that of other mercury figures in this report.)

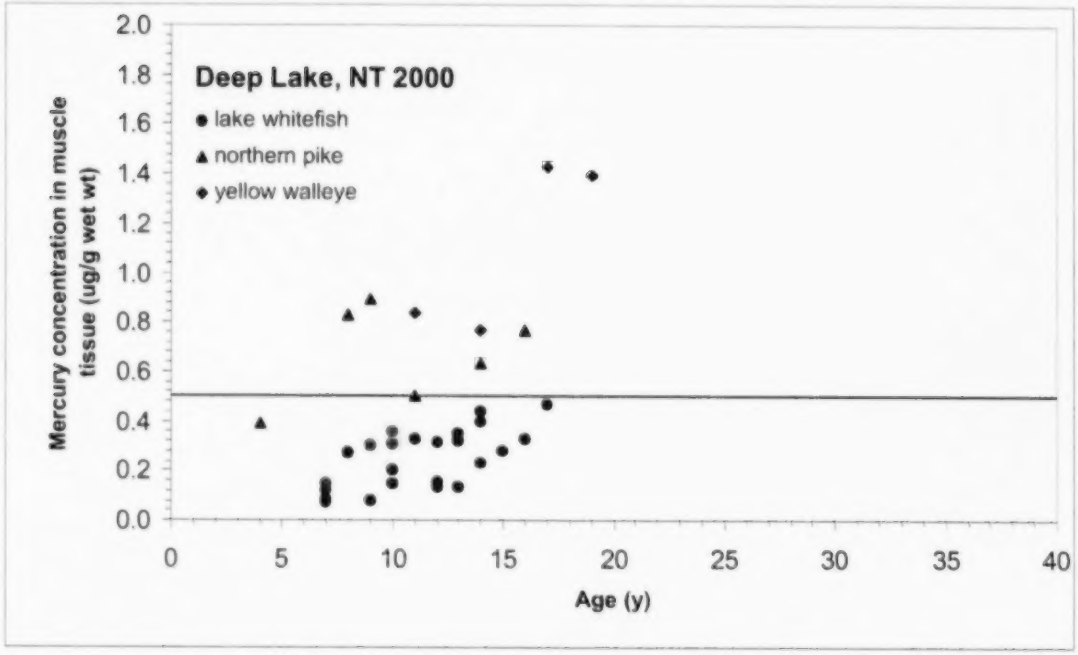

Figure 4. Scatter plot of age vs total mercury concentration in the muscle tissue of fish taken from Deep Lake, NT, in February 2000. Line indicates commercial limit (CFIA 2002).

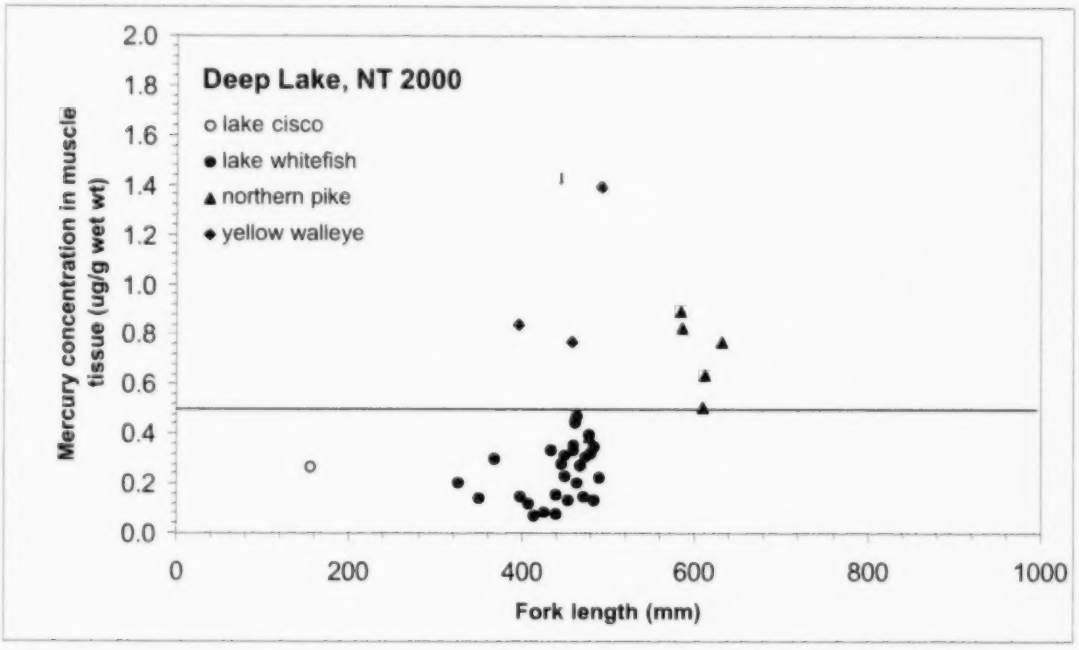

Figure 5. Scatter plot of fork length vs total mercury concentration in the muscle tissue of fish taken from Deep Lake, NT, in February 2000. Line indicates commercial limit (CFIA 2002).

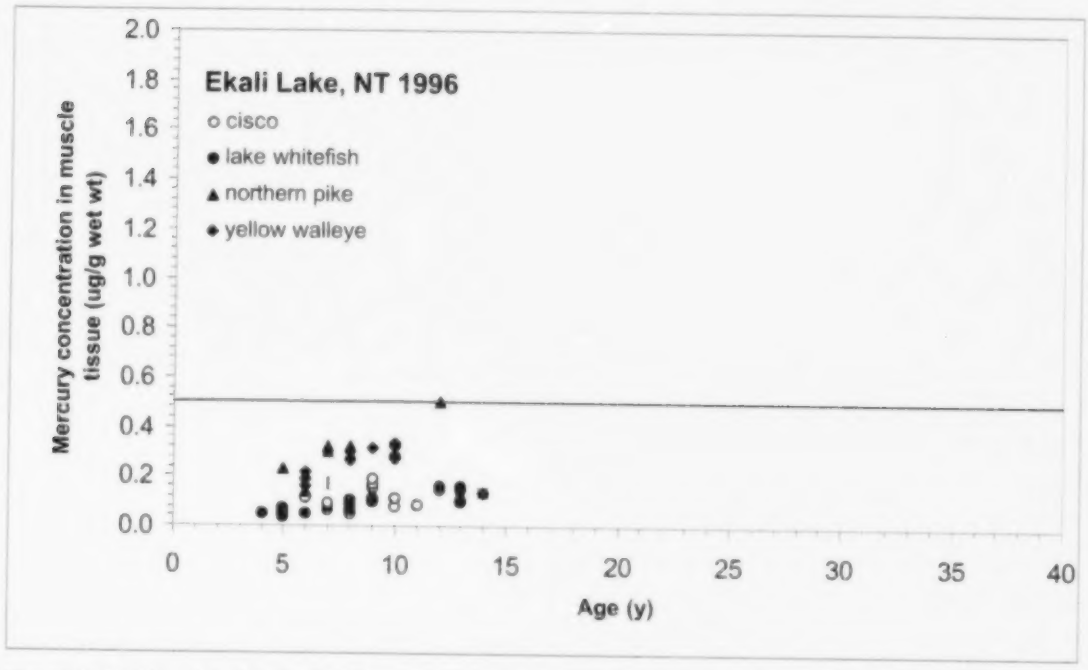

Figure 6. Scatter plot of age vs total mercury concentration in the muscle tissue of fish taken from "Ekali" Lake, NT, in December 1996. Line indicates commercial limit (CFIA 2002).

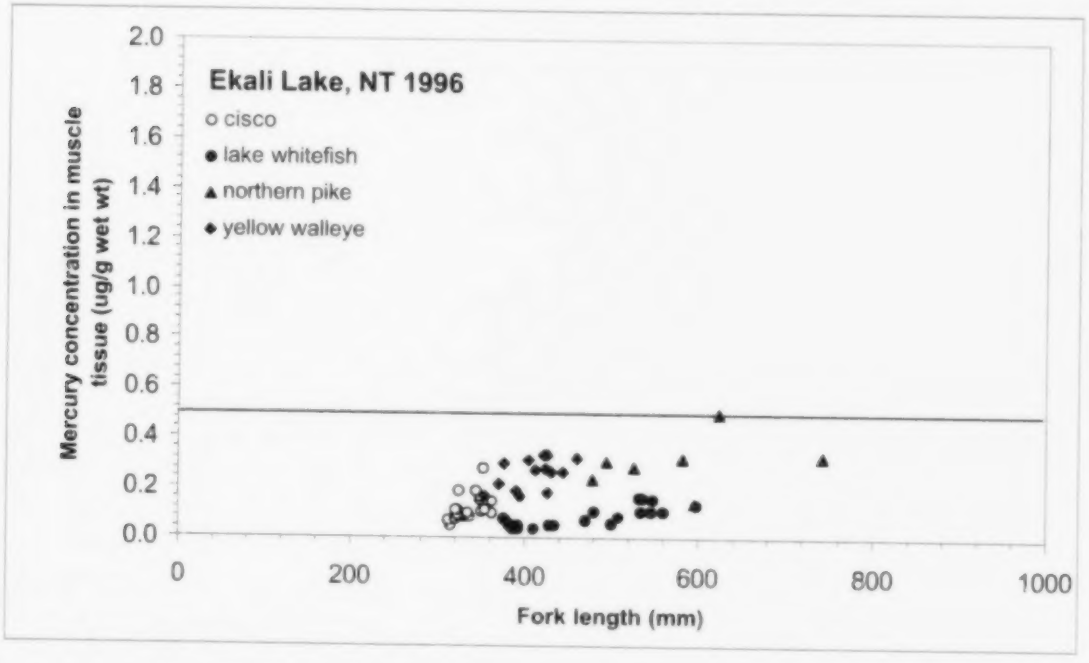

Figure 7. Scatter plot of fork length vs total mercury concentration in the muscle tissue of fish taken from Ekali Lake, NT, in December 1996. Line indicates commercial limit (CFIA 2002).

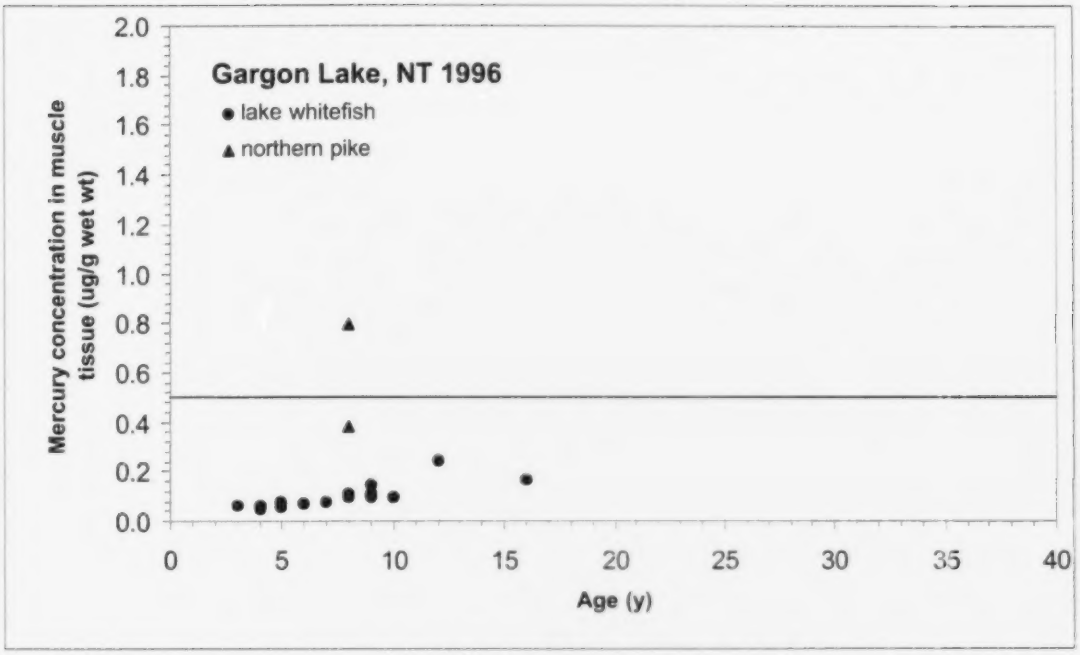

Figure 8. Scatter plot of age vs total mercury concentration in the muscle tissue of fish taken from "Gargon" Lake, NT, in December 1996. Line indicates commercial limit (CFIA 2002).

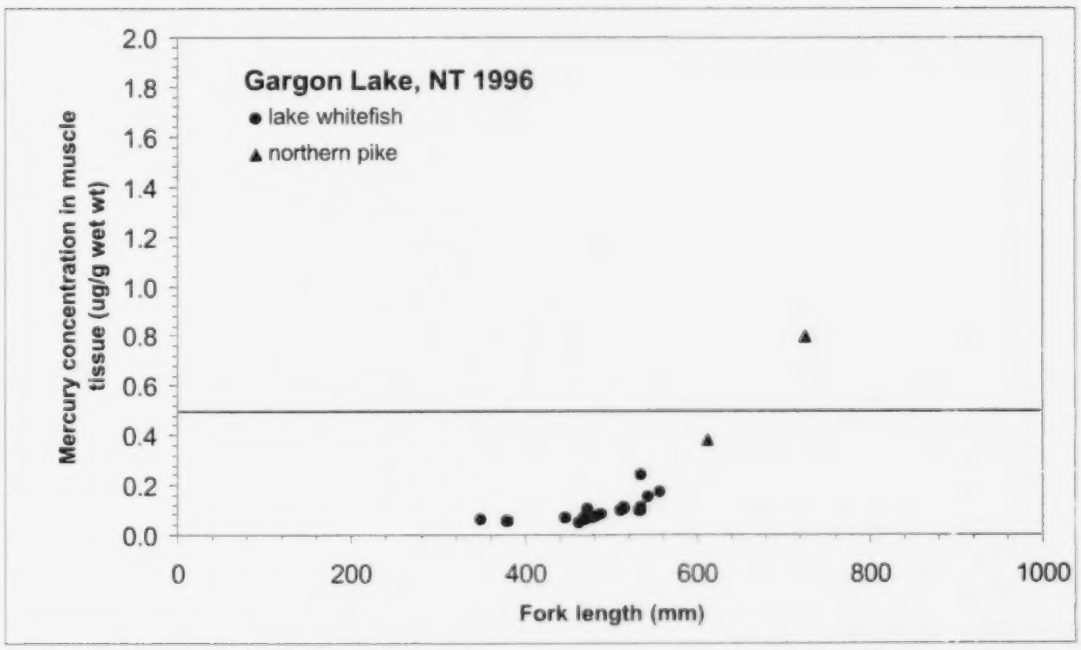

Figure 9. Scatter plot of fork length vs total mercury concentration in the muscle tissue of fish taken from "Gargon" Lake, NT, in December 1996. Line indicates commercial limit (CFIA 2002).

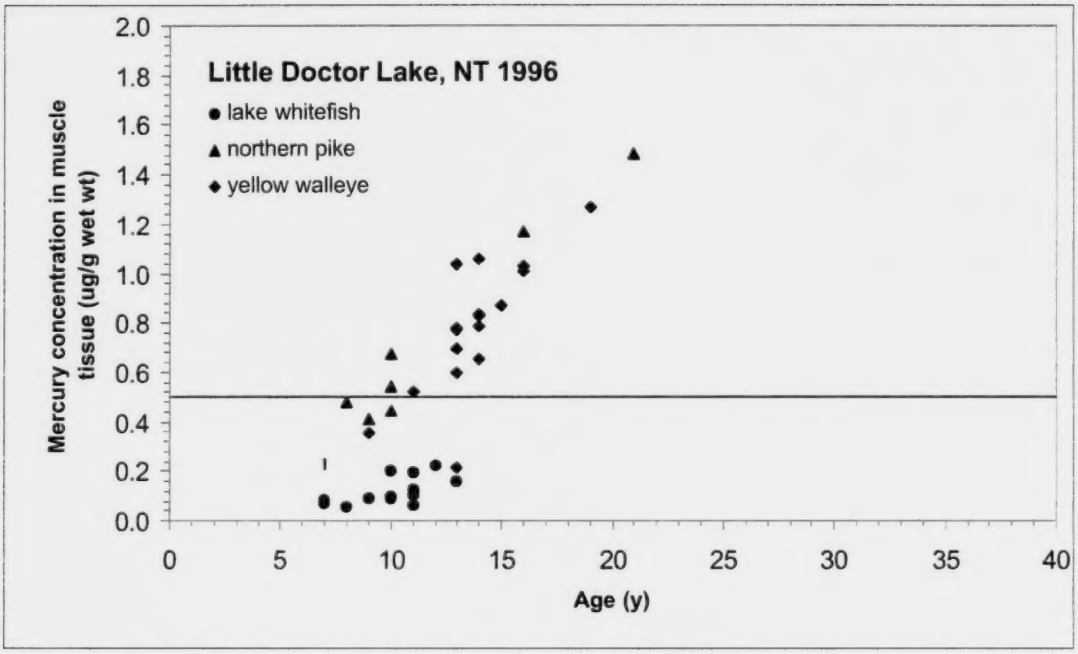

Figure 10. Scatter plot of age vs total mercury concentration in the muscle tissue of fish taken from Little Doctor Lake, NT, in December 1996. Line indicates commercial limit (CFIA 2002).

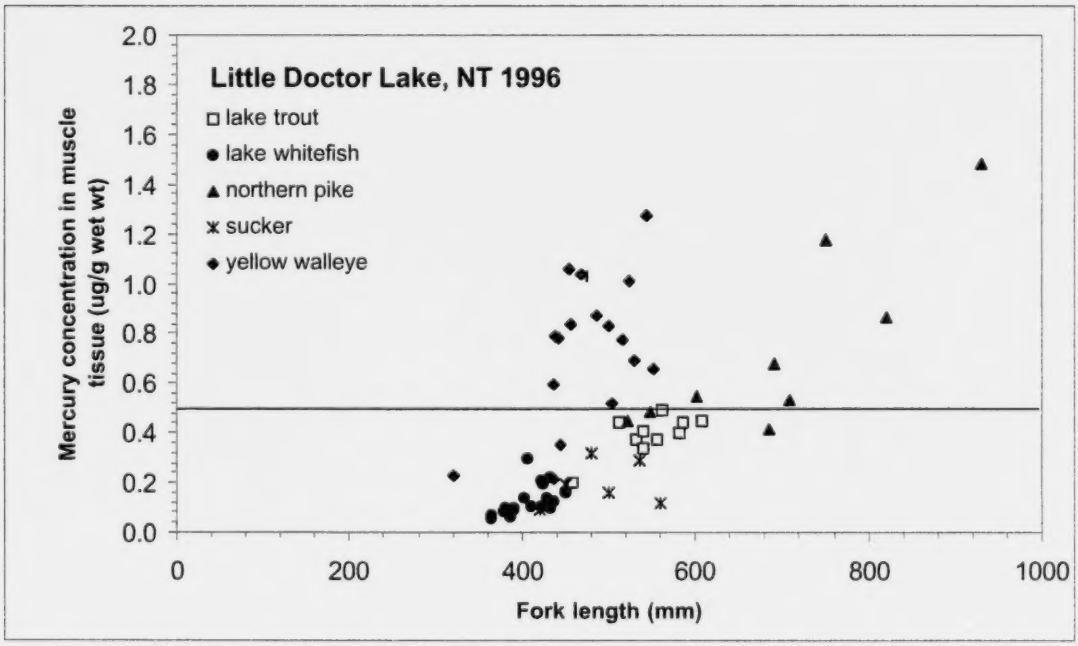

Figure 11. Scatter plot of fork length vs total mercury concentration in the muscle tissue of fish taken from Little Doctor Lake, NT, in December 1996. Line indicates commercial limit (CFIA 2002).

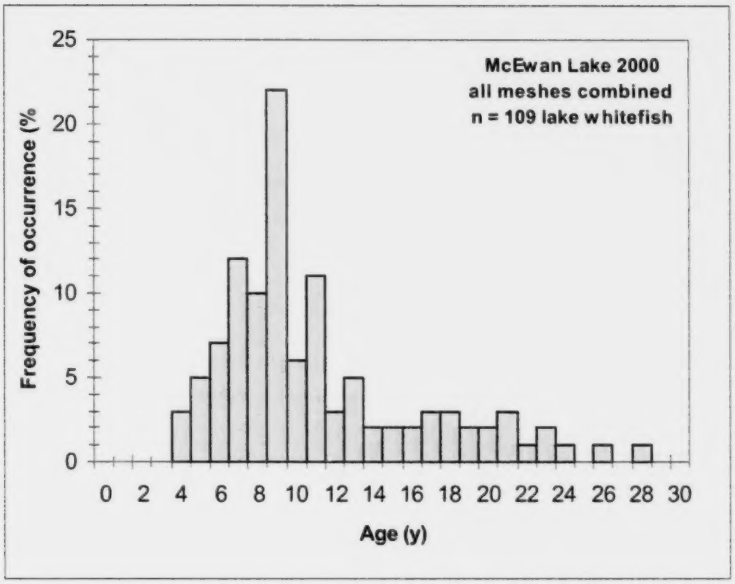

Figure 12. Age-frequency distribution of lake whitefish caught in 89, 114, and 140 mm mesh gillnets at "McEwan" Lake, NT, in January 2000.

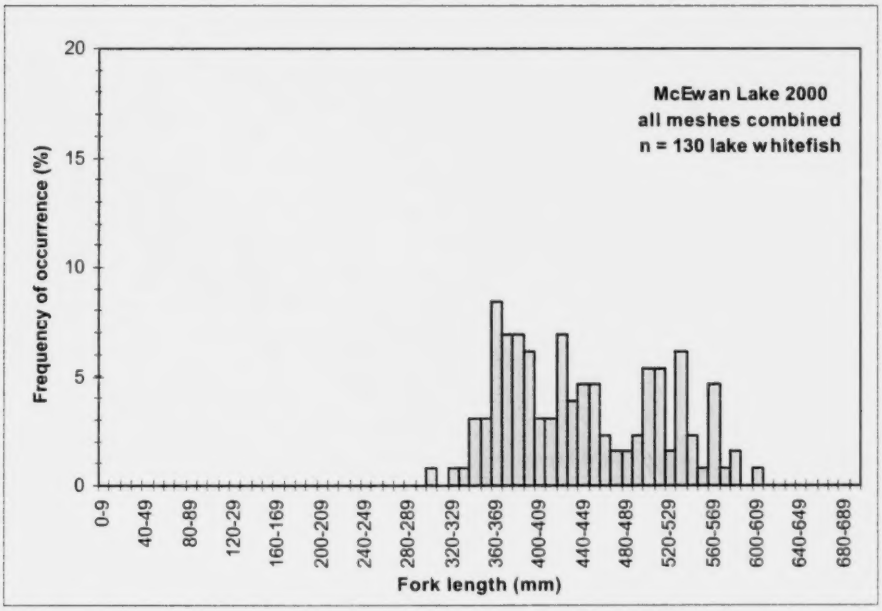

Figure 13. Length-frequency distribution of lake whitefish caught in 89, 114, and 140 mm mesh gillnets at "McEwan" Lake, NT, in January 2000.

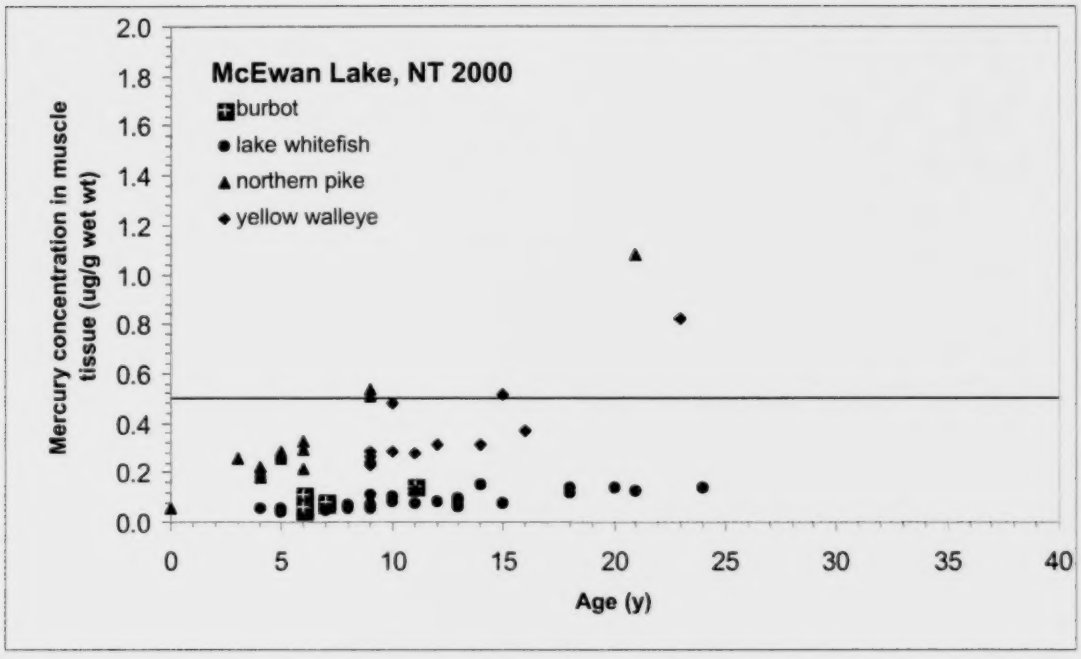

Figure 14. Scatter plot of age vs total mercury concentration in the muscle tissue of fish taken from "McEwan" Lake, NT, in January 2000. Line indicates commercial limit (CFIA 2002).

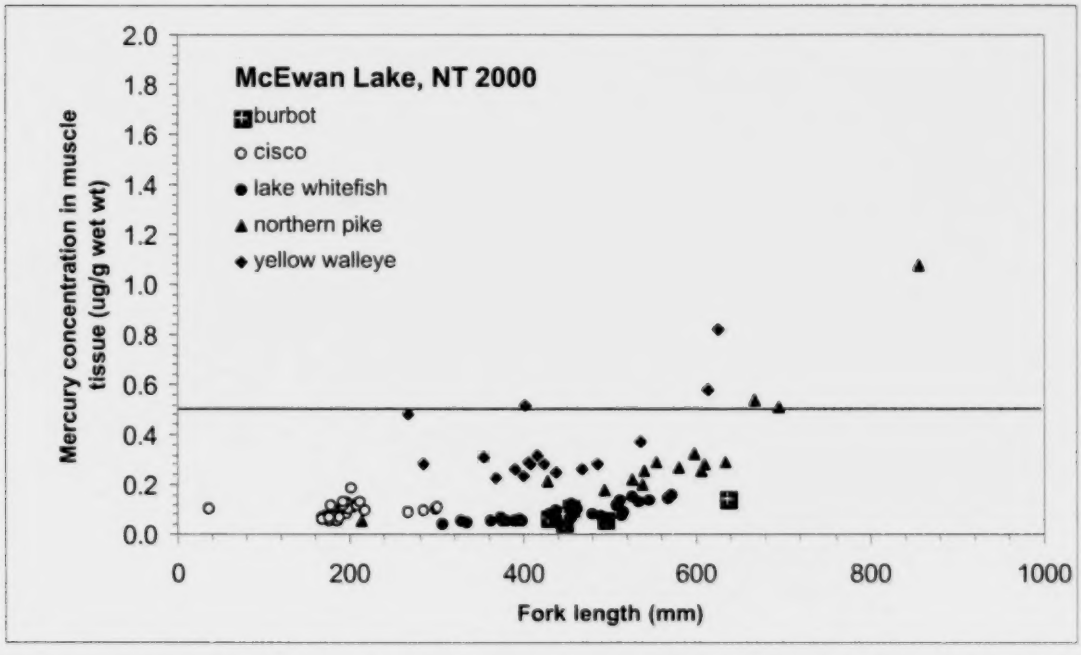

Figure 15. Scatter plot of fork length vs total mercury concentration in the muscle tissue of fish taken from "McEwan" Lake, NT, in January 2000. Line indicates commercial limit (CFIA 2002).

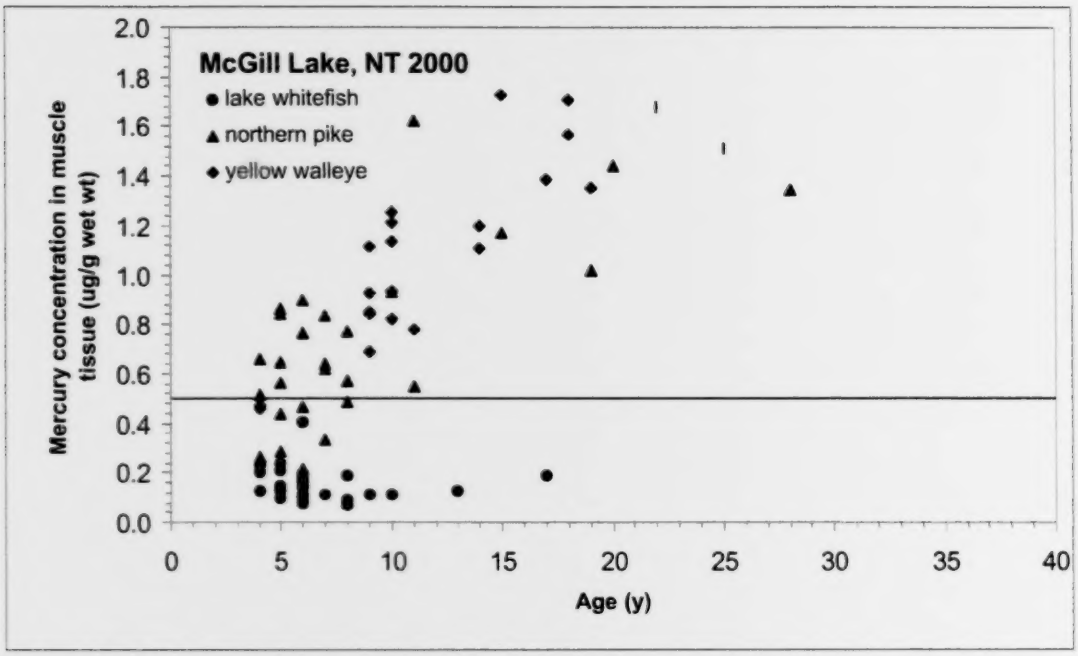

Figure 16. Scatter plot of age vs total mercury concentration in the muscle tissue of fish taken from McGill Lake, NT, in February 2000. Line indicates commercial limit (CFIA 2002).

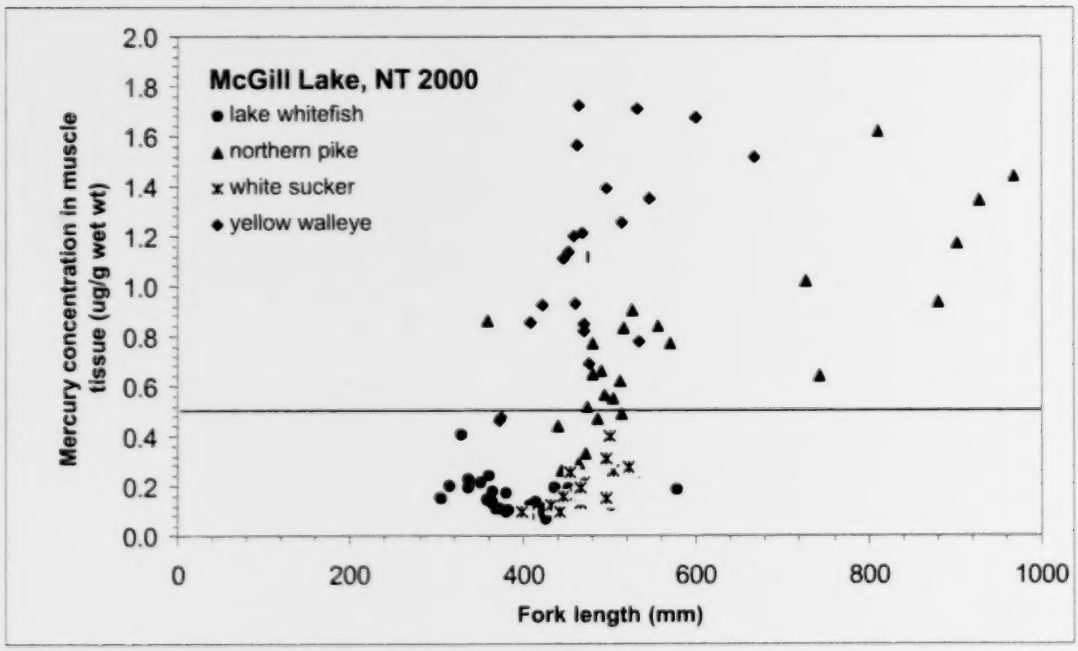

Figure 17. Scatter plot of fork length vs total mercury concentration in the muscle tissue of fish taken from McGill Lake, NT, in February 2000. Line indicates commercial limit (CFIA 2002).

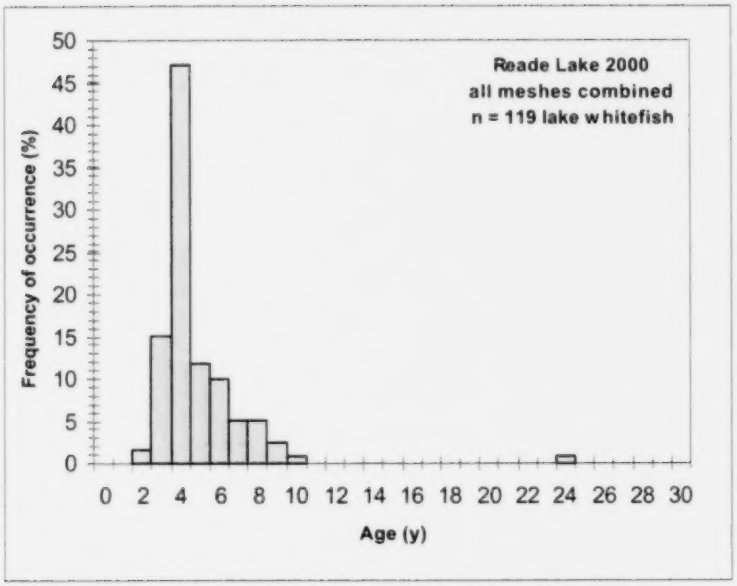

Figure 18. Age-frequency distribution of lake whitefish caught in 89, 114, and 140 mm mesh gillnets at "Reade" Lake, NT, in January 2000.

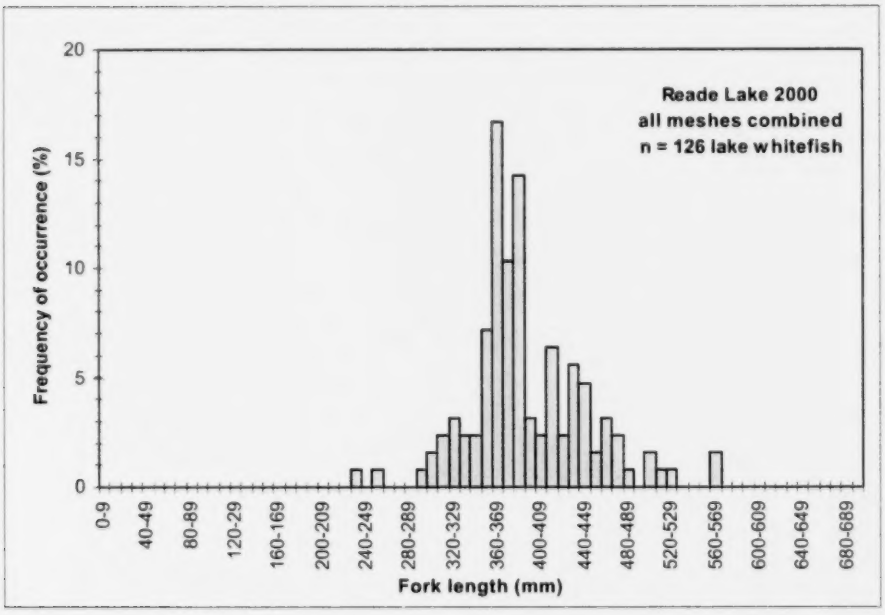

Figure 19. Length-frequency distribution of lake whitefish caught in 89, 114, and 140 mm mesh gillnets at "Reade" Lake, NT, in January 2000.

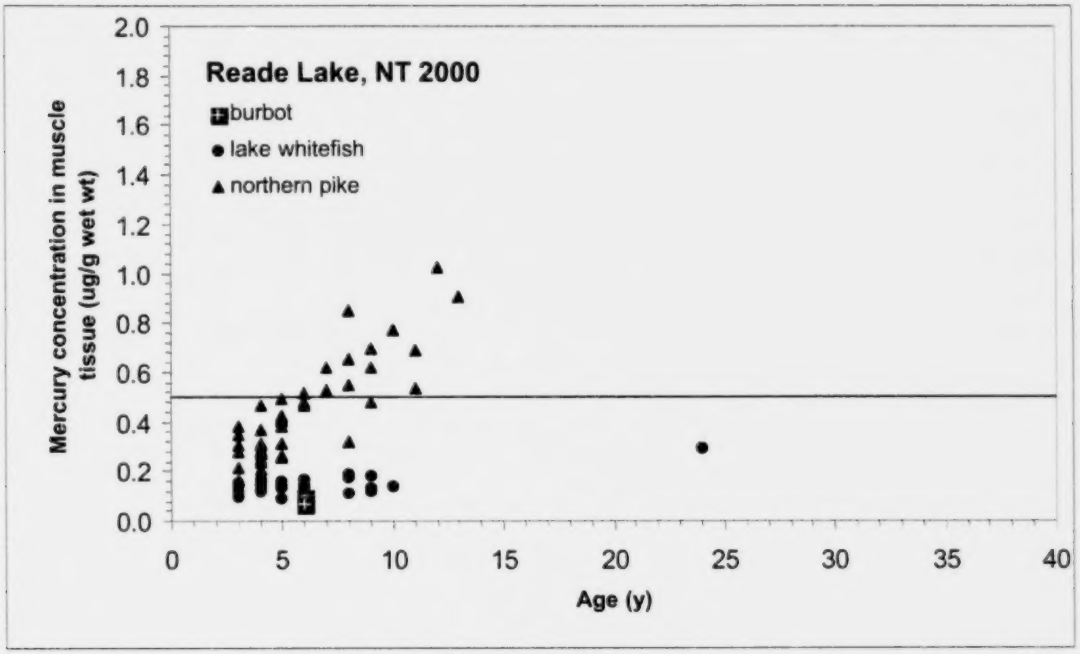

Figure 20. Scatter plot of age vs total mercury concentration in the muscle tissue of fish taken from "Reade" Lake, NT, in January 2000. Line indicates commercial limit (CFIA 2002).

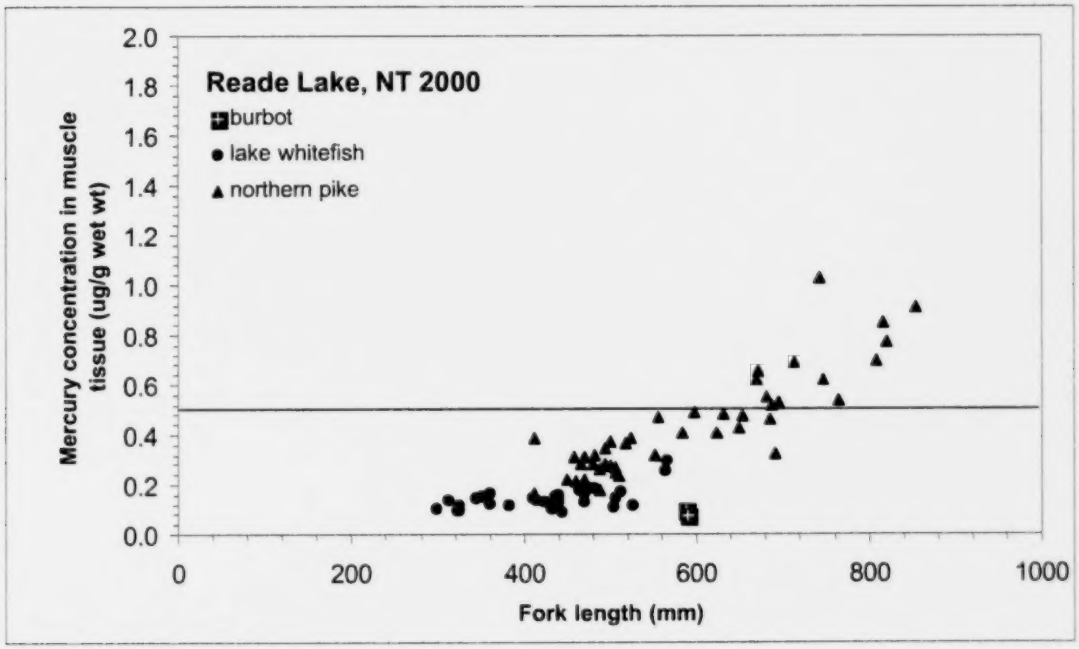

Figure 21. Scatter plot of fork length vs total mercury concentration in the muscle tissue of fish taken from "Reade" Lake, NT, in January 2000. Line indicates commercial limit (CFIA 2002).

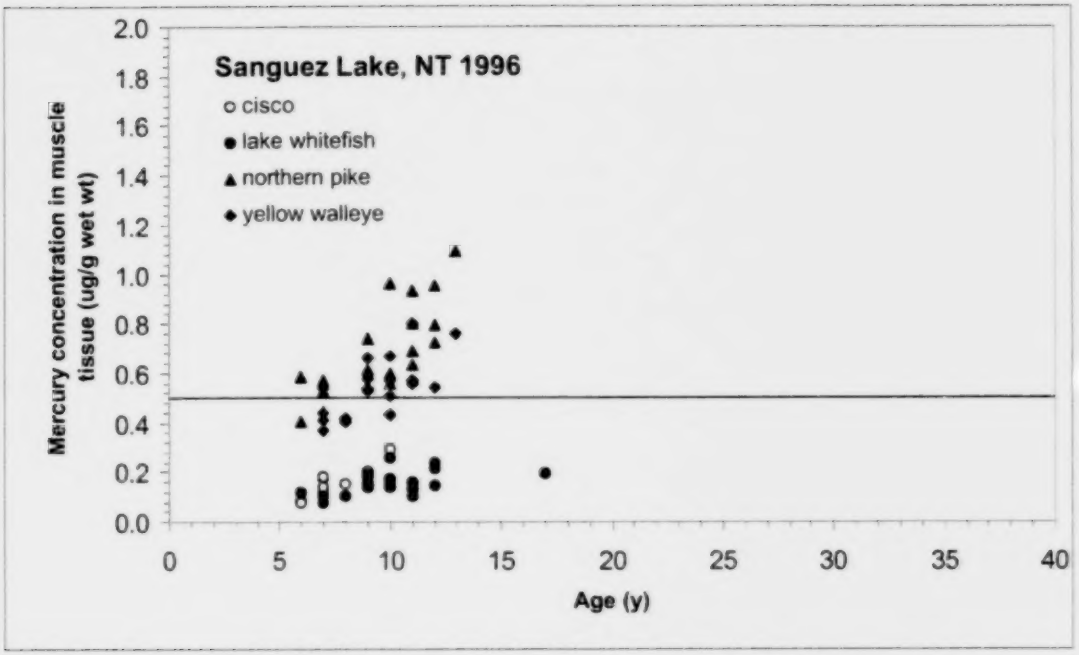

Figure 22. Scatter plot of age vs total mercury concentration in the muscle tissue of fish taken from "Sanguez" Lake, NT, in December 1996. Line indicates commercial limit (CFIA 2002).

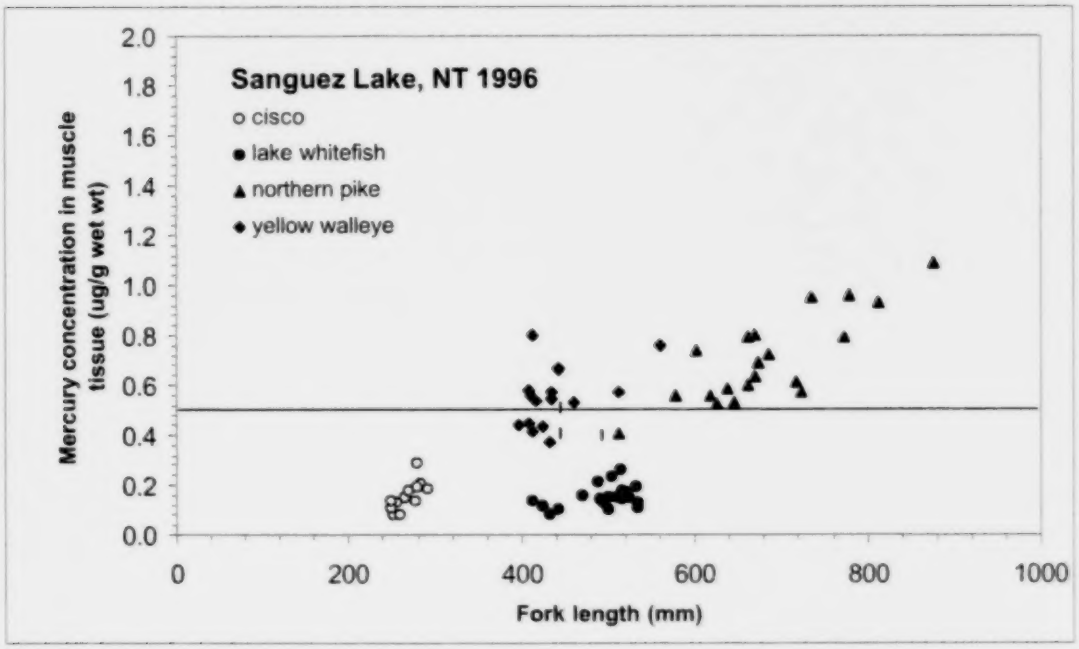

Figure 23. Scatter plot of fork length vs total mercury concentration in the muscle tissue of fish taken from "Sanguez" Lake, NT, in December 1996. Line indicates commercial limit (CFIA 2002).

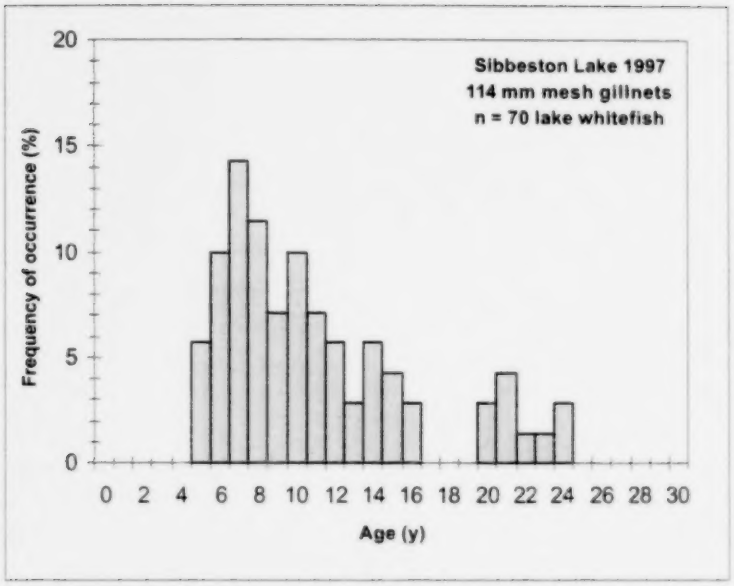

Figure 24. Age-frequency distribution of lake whitefish caught in 114 mm mesh gillnets at Sibbeston Lake, NT, in November 1997.

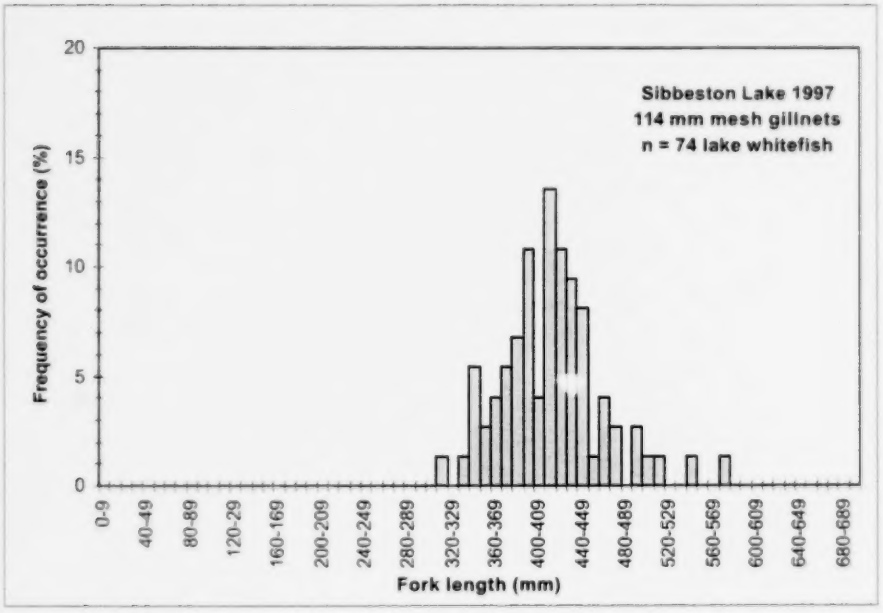

Figure 25. Length-frequency distribution of lake whitefish caught in 114 mm mesh gillnets at Sibbeston Lake, NT, in November 1997.

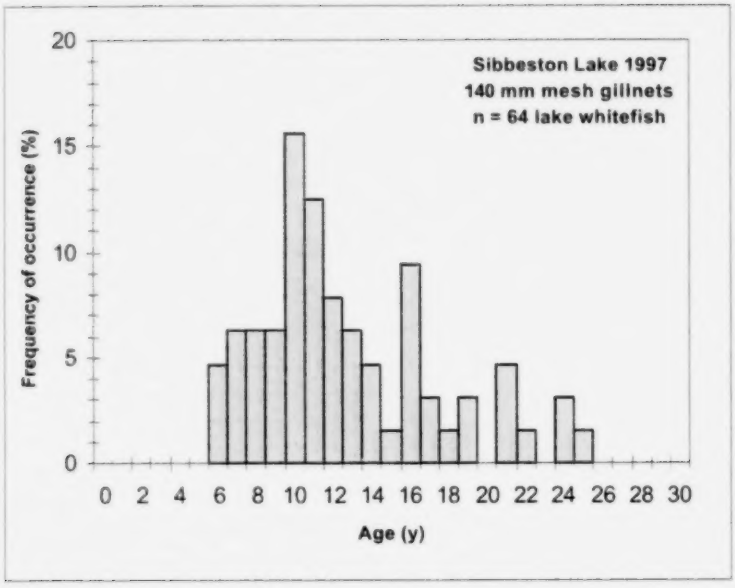

Figure 26. Age-frequency distribution of lake whitefish caught in 140 mm mesh gillnets at Sibbeston Lake, NT, in November 1997.

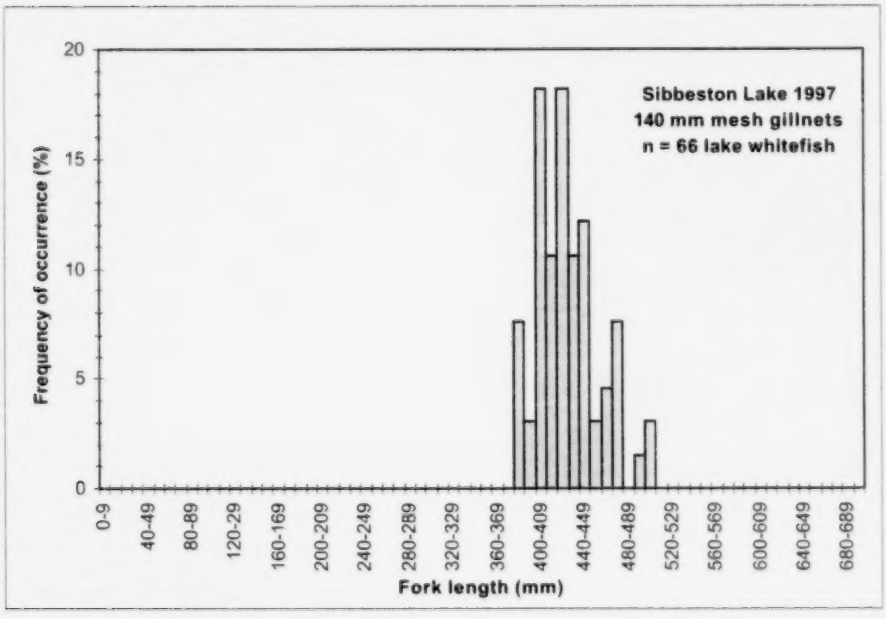

Figure 27. Length-frequency distribution of lake whitefish caught in 140 mm mesh gillnets at Sibbeston Lake, NT, in November 1997.

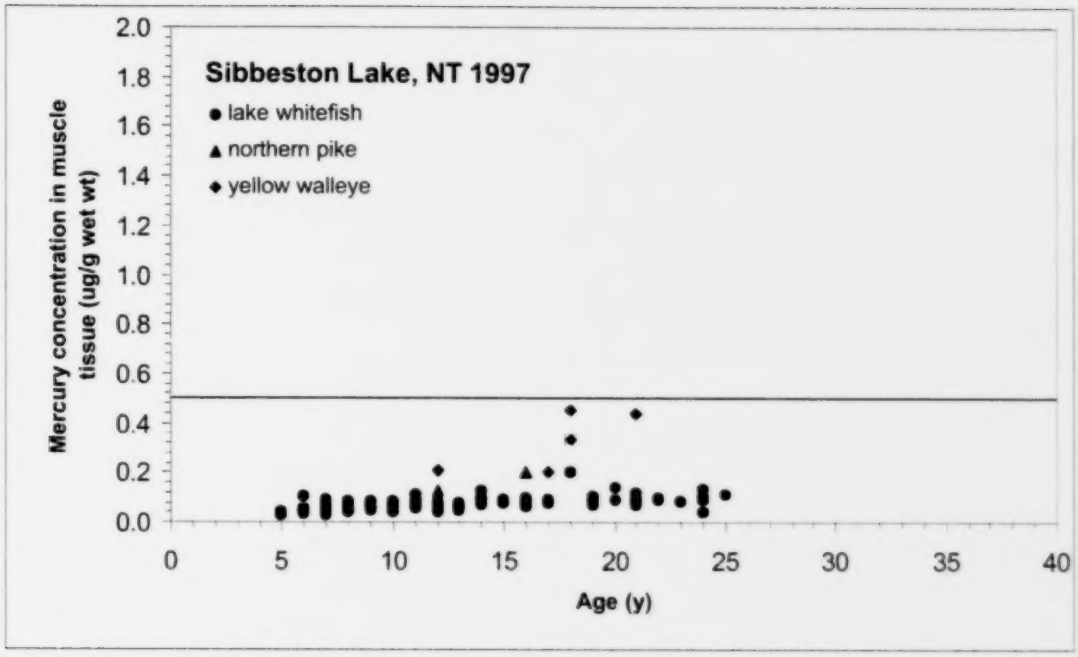

Figure 28. Scatter plot of age vs total mercury concentration in the muscle tissue of fish taken from Sibbeston Lake, NT, in November 1997. Line indicates commercial limit (CFIA 2002).

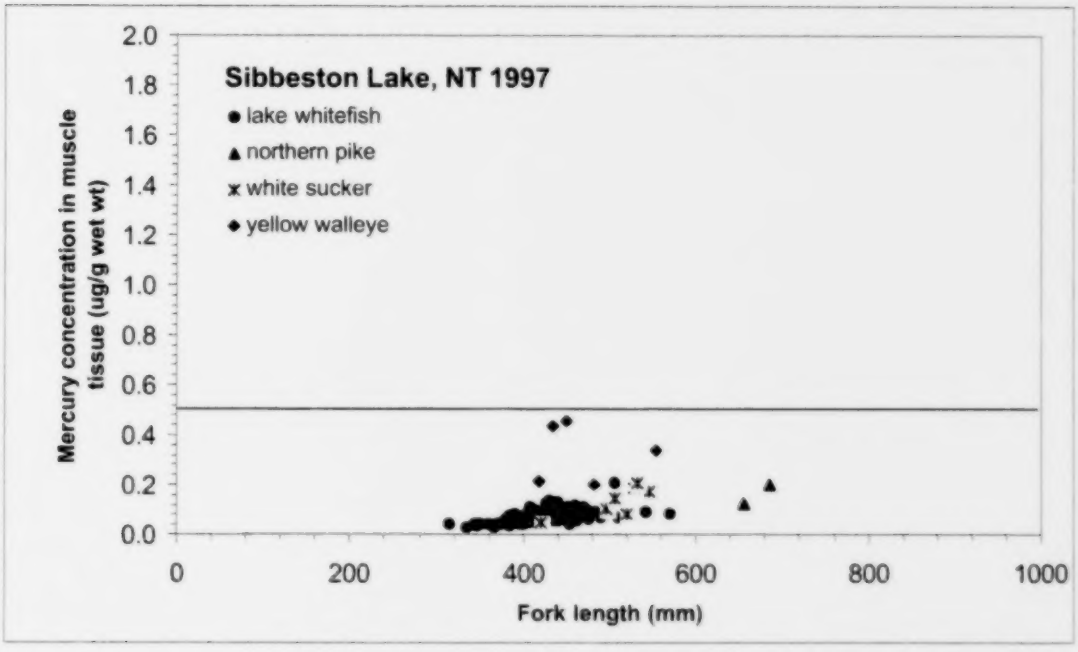

Figure 29. Scatter plot of fork length vs total mercury concentration in the muscle tissue of fish taken from Sibbeston Lake, NT, in November 1997. Line indicates commercial limit (CFIA 2002).

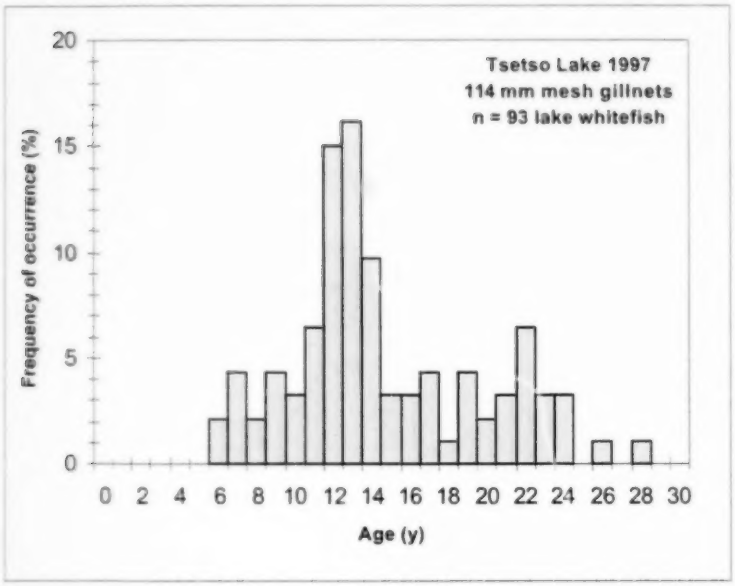

Figure 30. Age-frequency distribution of lake whitefish caught in 114 mm mesh gillnets at Tsetso Lake, NT, in December 1997.

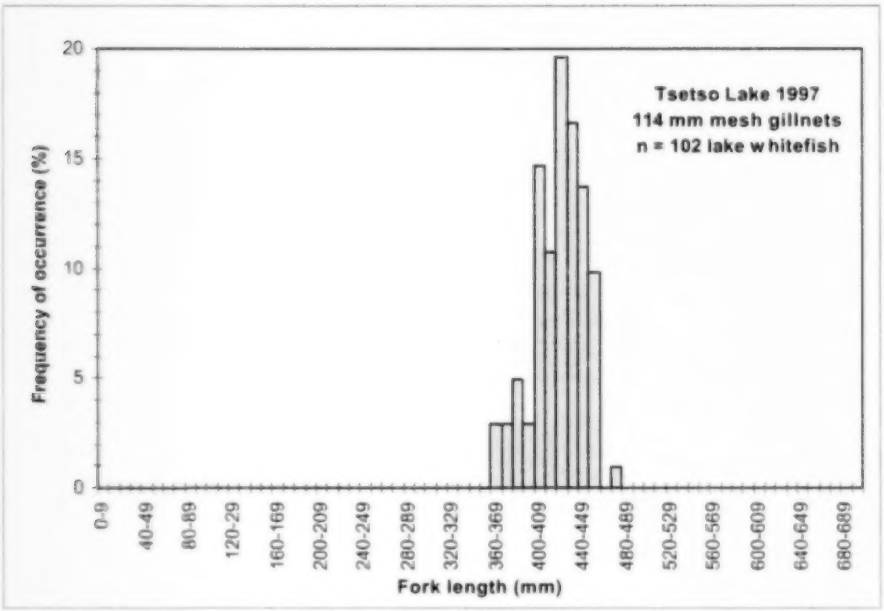

Figure 31. Length-frequency distribution of lake whitefish caught in 114 mm mesh gillnets at Tsetso Lake, NT, in December 1997.

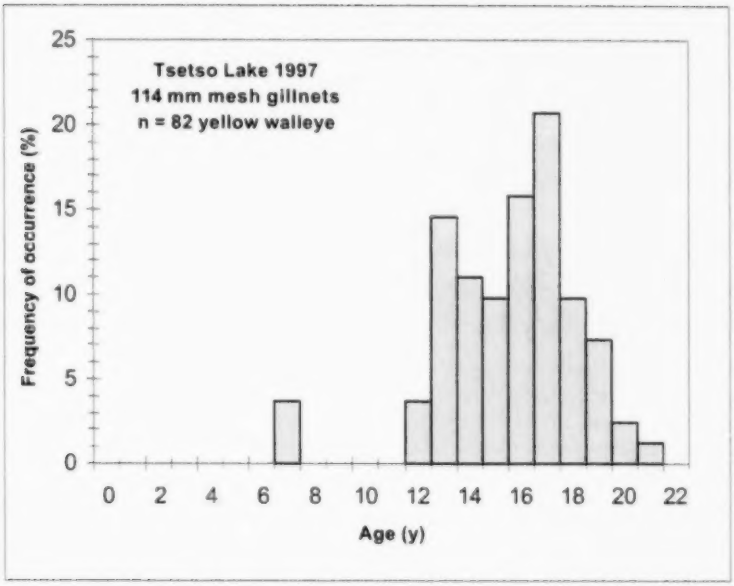

Figure 32. Age-frequency distribution of yellow walleye caught in 114 mm mesh gillnets at Tsetso Lake, NT, in December 1997.

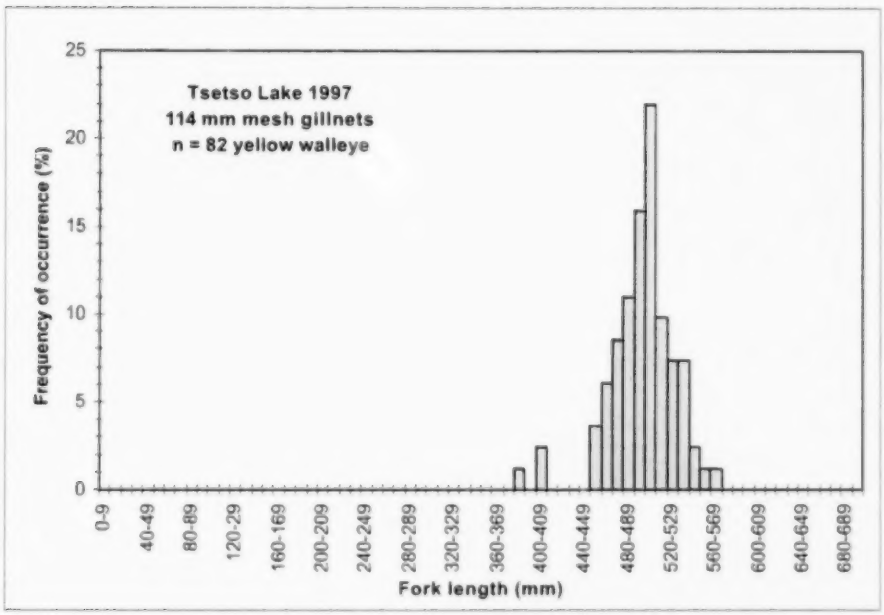

Figure 33. Length-frequency distribution of yellow walleye caught in 114 mm mesh gillnets at Tsetso Lake, NT, in December 1997.

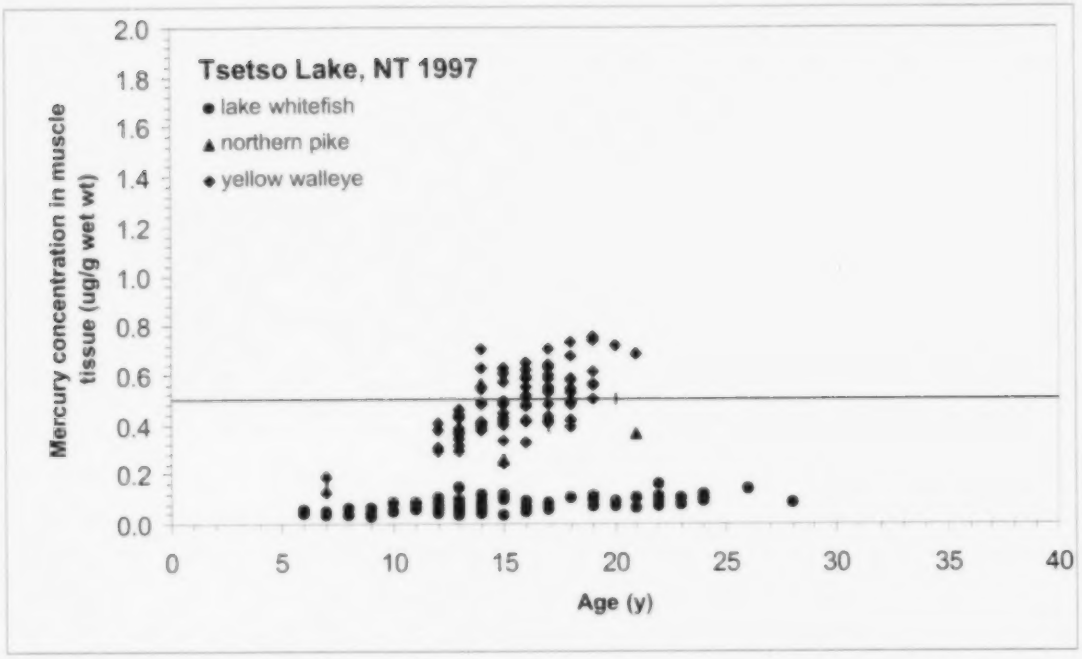

Figure 34. Scatter plot of age vs total mercury concentration in the muscle tissue of fish taken from Tsetso Lake, NT, in December 1997. Line indicates commercial limit (CFIA 2002).

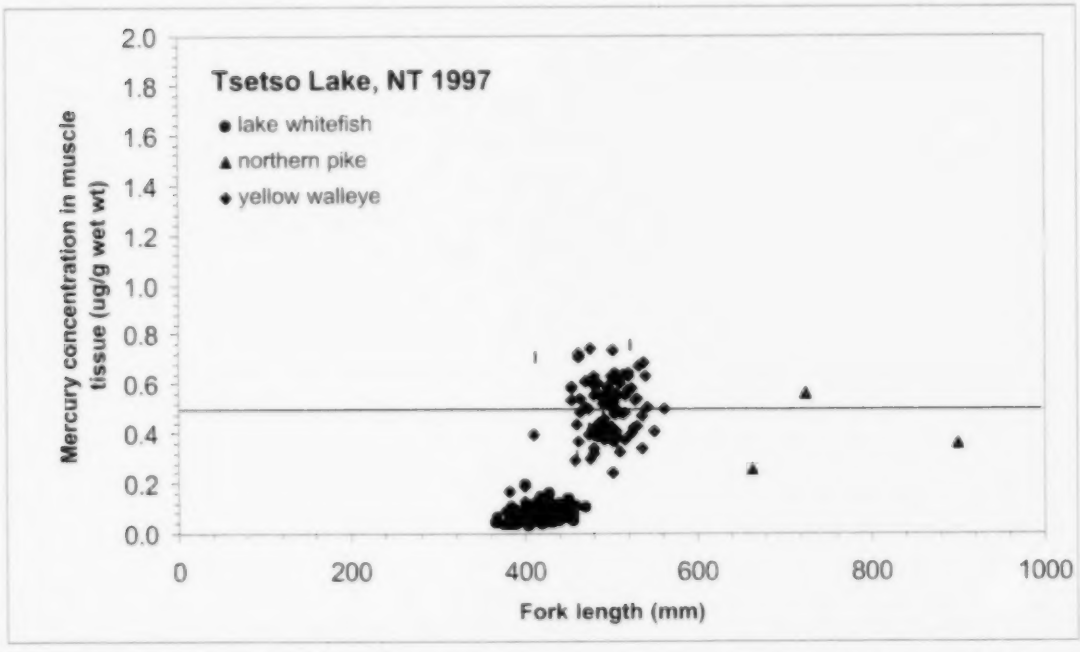

Figure 35. Scatter plot of fork length vs total mercury concentration in the muscle tissue of fish taken from Tsetso Lake, NT, in December 1997. Line indicates commercial limit (CFIA 2002).

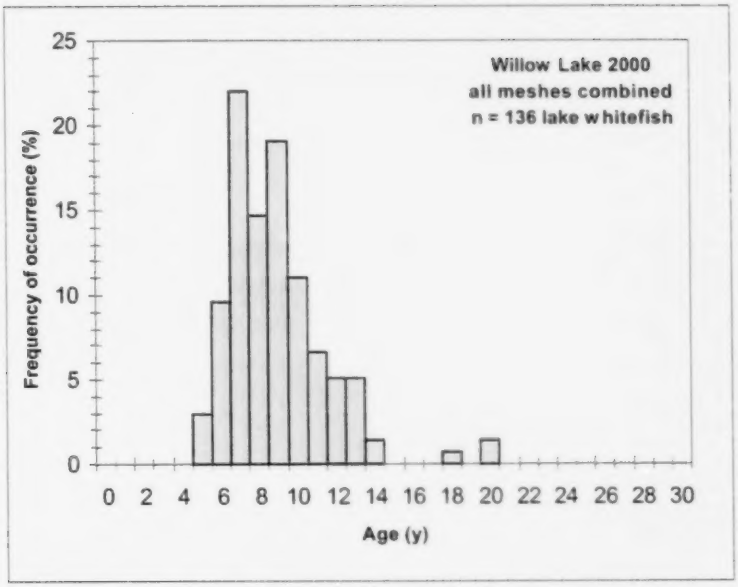

Figure 36. Age-frequency distribution of lake whitefish caught in 89, 114, and 140 mm mesh gillnets at Willow Lake, NT, in March 1999.

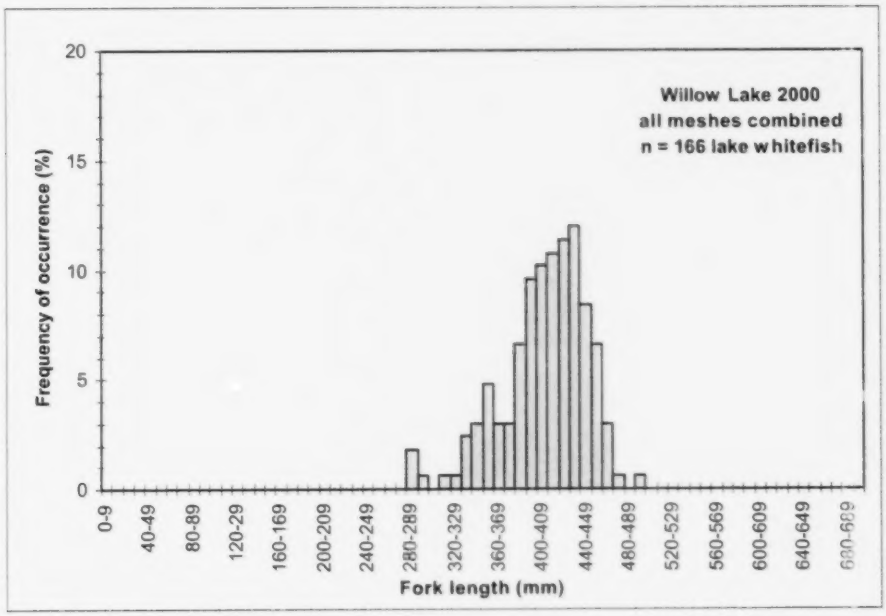

Figure 37. Length-frequency distribution of lake whitefish caught in 89, 114, and 140 mm mesh gillnets at Willow Lake, NT, in March 1999.

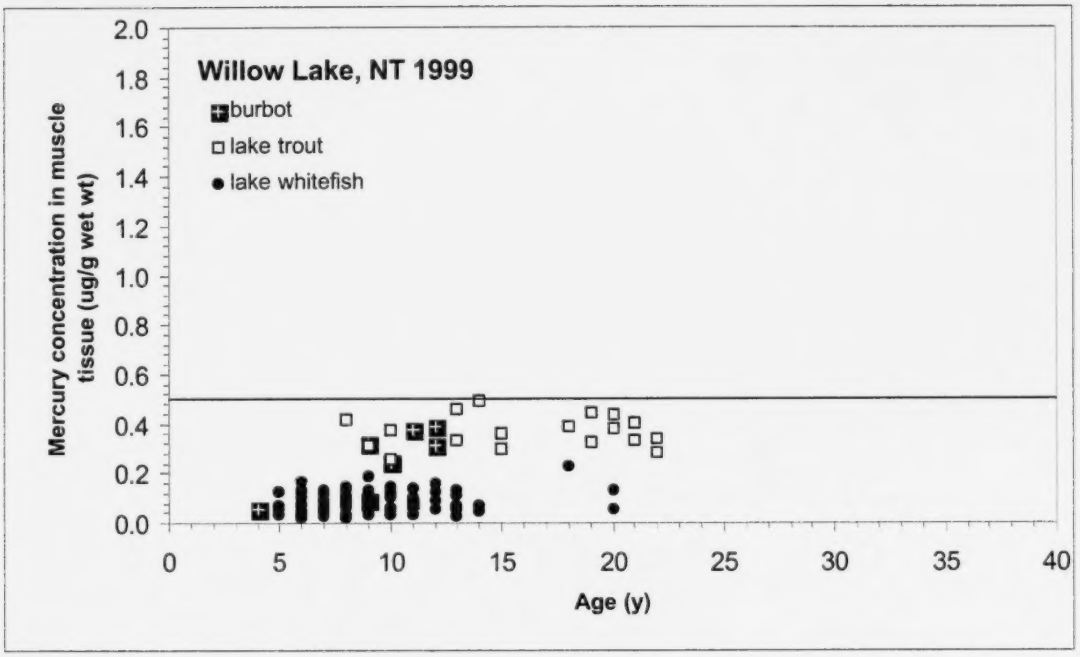

Figure 38. Scatter plot of age vs total mercury concentration in the muscle tissue of fish taken from Willow Lake, NT, in March 1999. Line indicates commercial limit (CFIA 2002).

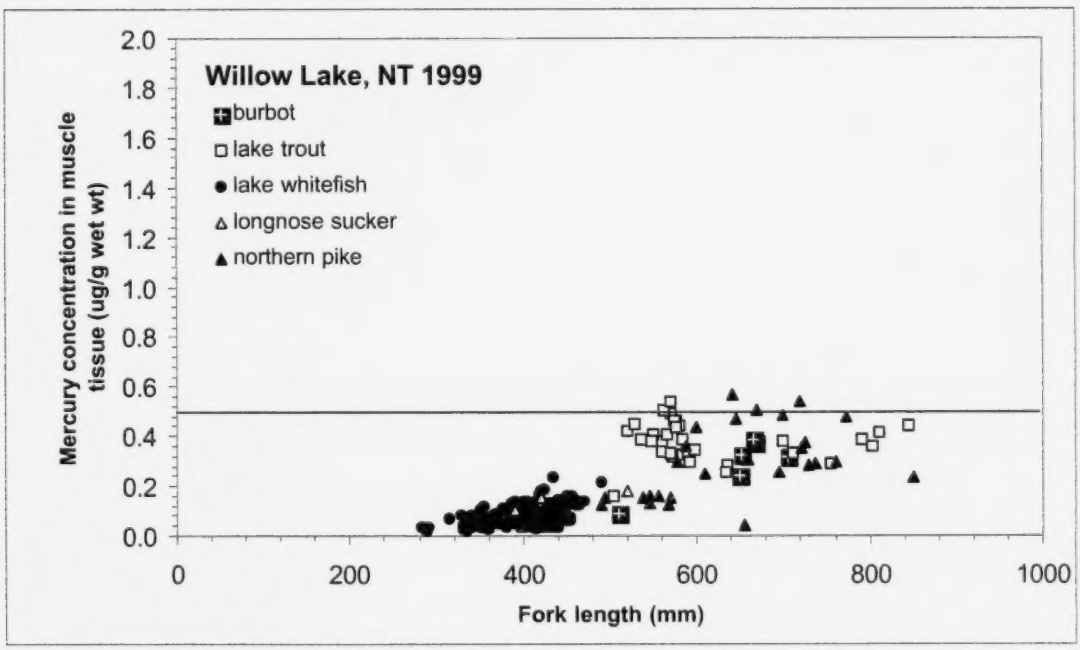

Figure 39. Scatter plot of fork length vs total mercury concentration in the muscle tissue of fish taken from Willow Lake, NT, in March 1999. Line indicates commercial limit (CFIA 2002).

Table 1. Gillnet set data from the test fishery conducted at Cli Lake, NT, in March 1996.

SITE	PERIOD AND DURATION OF GILLNET SET			NUMBER OF FISH CAUGHT (round weight in g)			
	Set time (dd/mm/yy hr:min)	Pull time (dd/mm/yy hr:min)	Hours fished (h)*	burbot	lake trout	lake whitefish	TOTAL
89 mm MESH GILLNETS, 91.4 m LONG and 3.66 m DEEP							
1	13/03/96 14:33	15/03/96 12:30	45:57 (45.95)		15 (20640)	6 (10010)	21
	15/03/96 12:50	17/03/96 12:20	47:30 (47.5)		20	3	23
3	14/03/96 13:40	16/03/96 09:15	43:35 (43.58)	1 (650)	32 (35890)	31	64
	16/03/96 09:55	17/03/96 12:30	26:35 (26.58)		22	18	40
	TOTAL		163:37 (163.62)	1	89	58	148
114 mm MESH GILLNETS, 91.4 m LONG and 3.66 m DEEP							
1	13/03/96 16:23	15/03/96 13:00	44:37 (44.62)		20 (23610)		20
	15/03/96 12:50	17/03/96 11:55	42:15 (42.25)		2		2
4	14/03/96 16:50	16/03/96 11:05	23:00 (23.0)		32	23	55
	TOTAL		109:52 (109.87)	0	54	23	77
140 mm MESH GILLNETS, 91.4 m LONG and 3.66 m DEEP							
1	13/03/96 18:25	15/03/96 13:30	47:05 (47.08)		5	2	7
	15/03/96 13:45	17/03/96 11:20	45:35 (45.58)		5		5
2	14/03/96 11:45	15/03/96 14:15	26:30 (26.5)		5	12	17
	15/03/96 14:40	17/03/96 10:35	43:55 (43.92)		4	20	24
5	14/03/96 18:40	16/03/96 11:50	41:10 (41.17)		4	13 (23140)	17
	TOTAL		204:15 (203.25)	0	23	47	70
TOTAL (all meshes combined)				1	166	128	295

* Wetted time of each gillnet set is shown in hours and minutes (e.g. 25:25) and in hours (e.g. 25.42). The latter is included for ease of calculation.

Table 2. Gillnet set data from the test fishery conducted at Deep Lake, NT, in February 2000.

SITE	PERIOD AND DURATION OF GILLNET SET			Water	NUMBER OF FISH CAUGHT (round weight in g)				
	Set time (dd/mm/yy hr:min)	Pull time (dd/mm/yy hr:min)	Hours fished (h)	depth (m)	cisco	lake whitefish	northern pike	yellow walleye	TOTAL
89 mm MESH GILLNETS 91.4 m LONG and 3.66 m DEEP									
1	07/02/00 12:50	08/02/00 10:30	21:40	15.0-20.0					0
			(21.67)						(0)
	08/02/00 10:35	09/02/00 9:45	23:10			1			1
			(23.17)			(1200)			(1200)
2	08/02/00 11:40	09/02/00 10:00	22:20	4.5-10.5		2			2
			(22.33)			(1590)			(1590)
	09/02/00 10:05	10/02/00 9:45	23:40			2			2
			(23.67)			(2460)			(2460)
	10/02/00 9:50	11/02/00 9:35	23:45			2	1		3
			(23.75)			(1780)	(1560)		(3340)
	11/02/00 9:45	12/02/00 9:30	23:45			1	1		2
			(23.75)			(1690)	(1430)		(3120)
	12/02/00 9:35	13/02/00 9:15	23:40			1	2		3
			(23.67)			(1300)	(1990)		(3290)
	13/02/00 9:25	14/02/00 9:25	24:00			2			2
			(24.00)			(2650)			(2650)
3	09/02/00 11:10	10/02/00 10:25	23:15	12.0-33.5					0
			(23.25)						(0)
	10/02/00 10:30	11/02/00 10:20	23:50						0
			(23.83)						(0)
	11/02/00 10:30	12/02/00 10:05	23:35						0
			(23.58)						(0)
	12/02/00 10:10	13/02/00 10:05	23:55		1				1
			(23.92)		(40)				(40)
	TOTAL		280:35		1	11	4	0	16
			(280.58)		(40)	(12670)	(4980)	(0)	(17690)
114 mm MESH GILLNETS 91.4 m LONG and 3.66 m DEEP									
1	07/02/00 12:30	08/02/00 10:15	21:45	7.5-15.0					0
			(21.75)						(0)
	08/02/00 10:25	09/02/00 9:30	23:05				1	3	4
			(23.08)				(1760)	(2800)	(4560)
2	08/02/00 12:05	09/02/00 10:10	22:05	7.5-10.5		1	1		2
			(22.08)			(560)	(1780)		(2340)
	09/02/00 10:20	10/02/00 9:55	23:35						0
			(23.58)						(0)
	10/02/00 10:00	11/02/00 9:50	23:50			1			1
			(23.83)			(1500)			(1500)
	11/02/00 9:55	12/02/00 9:40	23:45						0
			(23.75)						(0)
	12/02/00 9:45	13/02/00 9:30	23:45						0
			(23.75)						(0)
	13/02/00 9:35	14/02/00 9:35	24:00						0
			(24.00)						(0)
3	09/02/00 11:45	10/02/00 10:40	22:55	33.5-35.0					0
			(22.92)						
	10/02/00 10:45	11/02/00 10:35	23:50						0
			(23.83)						(0)
	11/02/00 10:40	12/02/00 10:15	23:35						0
			(23.58)						(0)
	12/02/00 10:20	13/02/00 10:15	23:55						0
			(23.92)						(0)
	TOTAL		280:05		0	2	2	3	7
			(280.08)		(0)	(2060)	(3540)	(2800)	(8400)

SITE	PERIOD AND DURATION OF GILLNET SET			Water	NUMBER OF FISH CAUGHT (round weight in g)				
	Set time (dd/mm/yy hr:min)	Pull time (dd/mm/yy hr:min)	Hours fished (h)	depth (m)	cisco	lake whitefish	northern pike	yellow walleye	TOTAL
140 mm MESH GILLNETS 91.4 m LONG and 3.66 m DEEP									
1	07/02/00 12:00	08/02/00 10:05	22:05	7.5-16.5					0
			(22.08)						(0)
	08/02/00 10:10	09/02/00 9:15	23:05					1	1
			(23.08)					(1280)	(1280)
2	08/02/00 12:20	09/02/00 10:25	22:05	6.5-7.5		8			8
			(22.08)			(10870)			(10870)
	09/02/00 10:30	10/02/00 10:05	23:35			2			2
			(23.58)			(2710)			(2710)
	10/02/00 10:15	11/02/00 10:00	23:45						0
			(23.75)						(0)
	11/02/00 10:05	12/02/00 9:50	23:45			1			1
			(23.75)			(1490)			(1490)
	12/02/00 9:55	13/02/00 9:40	23:45			2			2
			(23.75)			(2580)			(2580)
	13/02/00 9:45	14/02/00 9:45	24:00			2			2
			(24.00)			(2710)			(2710)
3	09/02/00 12:05	10/02/00 10:50	22:45	16.5-35.0					0
			(22.75)						(0)
	10/02/00 10:55	11/02/00 10:45	23:50						0
			(23.83)						(0)
	11/02/00 10:50	12/02/00 10:25	23:35						0
			(23.58)						(0)
	12/02/00 10:30	13/02/00 10:30	24:00						0
			(24.00)						(0)
	TOTAL 140 MM MESH		280:15		0	15	0	1	16
			(280.25)		(0)	(20360)	(0)	(1280)	(21640)
	TOTAL ALL MESHES COMBINED		840:55		1	28	6	4	39
			(840.92)		(40)	(35090)	(8520)	(4080)	(47730)

Table 3. Gillnet set data from the test fishery conducted at "Ekali" Lake, NT in December 1996.

SITE	PERIOD AND DURATION OF GILLNET SET			NUMBER OF FISH CAUGHT (round weight in g)				
	Set time (dd/mm/yy hr:min)	Pull time (dd/mm/yy hr:min)	Hours fished (h)	lake cisco	lake whitefish	northern pike	walleye	TOTAL
89 mm MESH GILLNET, 91.4 m LONG and 3.66 m DEEP								
1	04/12/96 14:05	5/12/96 14:50	24:45 (24.75)	165		2 (1580)	6 (4830)	173
102 mm MESH GILLNET, 54.7 m LONG and 1.83 m DEEP								
2	7/12/96 16:00	8/12/96 11:40	19:40 (19.67)	5 (2660)		1 (860)	1 (760)	7 (4280)
	8/12/96 11:40	9/12/96 12:30	24:50 (24.83)					0
	9/12/96 12:30	11/12/96 11:15	46:45 (46.75)					0
	11/12/96 11:15	13/12/96 12:30	49:15 (49.25)		2 (2750)	1 (1000)		3 (3750)
	TOTAL		140:30 (140.5)	5 (2660)	2 (2750)	2 (1860)	1 (760)	10 (8030)
114 mm MESH GILLNET, 91.4 m LONG and 3.66 m DEEP								
1	4/12/96 13:30	5/12/96 14:10	24:40 (24.67)	43		2 (4700)		45
	5/12/96 14:10	6/12/96 15:00	24:50 (24.83)	22				22
	6/12/96 15:00	7/12/96 13:45	22:45 (22.75)	23				23
	TOTAL		71:35 (71.58)	88	0	2	0	90
114 mm MESH GILLNET, 45.7 m LONG and 1.83 m DEEP								
2	6/12/96 13:00	7/12/96 14:35	25:35 (25.58)	3 (1840)		1 (1600)	1 (910)	5 (4350)
	7/12/96 14:35	8/12/96 11:22	20:47 (20.78)	1 (640)	2 (2030)		2 (1690)	5 (4360)
	8/12/96 11:22	10/12/96 12:25	49:03 (49.05)	3 (1880)	3 (4230)		2 (1800)	8 (7910)
	10/12/96 12:25	11/12/96 11:27	23:02 (23.03)		5 (10360)		1 (680)	6 (11040)
	11/12/96 11:27	13/12/96 12:50	49:23 (49.38)		2 (4850)		2 (1760)	4 (6610)
	TOTAL		240:05 (240.08)	7 (4360)	12 (21470)	1 (1600)	8 (6840)	28 (34270)
133 mm MESH GILLNET, 91.4 m LONG and 3.66 m DEEP								
1	4/12/96 12:30	5/12/96 13:30	25:00 (25.0)	4 (2120)				4
	5/12/96 13:30	6/12/96 14:30	25:00 (25.0)	4				4
	6/12/96 14:30	7/12/96 13:20	22:50 (22.83)	4				4
	TOTAL		72:50 (72.83)	12	0	0	0	12
133 mm MESH GILLNET, 45.7 m LONG and 1.83 m DEEP								
2	8/12/96 14:10	10/12/96 12:10	46:00 (46.0)		8 (16190)		1 (1050)	9
	10/12/96 12:10	11/12/96 11:40	23:30 (23.5)		1 (2460)			1
	11/12/96 11:40	13/12/96 13:00	49:20 (49.33)		3 (5240)			3
3	6/12/96 14:00	7/12/96 12:00	22:00 (22.0)	1				1
	7/12/96 12:45	8/12/96 12:00	23:15 (23.25)	3				3
	TOTAL		236:55 (236.93)	4	12 (23890)	0	1 (1050)	17
TOTAL (all meshes combined)				281	26	7	16	330

Table 4. Gillnet set data from the test fishery conducted at "Gargon" Lake, NT, in December 1996.

SITE	PERIOD AND DURATION OF GILLNET SET			NUMBER OF FISH CAUGHT (round weight in g)		
	Set time (dd/mm/yy hr:min)	Pull time (dd/mm/yy hr:min)	Hours fished (h)	lake whitefish	northern pike	TOTAL
114 mm MESH GILLNETS 45.7 m LONG and 1.83 m DEEP						
1	14/12/96 15:15	16/12/96 13:15	46:00	2	1	3
			(46.0)	(5570)	(1800)	(7370)
	16/12/96 13:15	18/12/96 13:55	48:40	6		6
			(48.67)	(9500)		(9500)
	18/12/96 13:55	19/12/96 15:00	25:05	2		2
			(25.08)	(4200)		(4200)
	TOTAL		119:45	10	1	11
			(119.75)	(19270)	(1800)	(21070)
133 mm MESH GILLNETS 45.7 m LONG and 1.83 m DEEP						
1	14/12/96 15:15	16/12/96 12:45	45:30	4		4
			(45.5)	(8970)		(8970)
	16/12/96 12:45	18/12/96 14:30	49:45	7	1	8
			(49.75)	(13920)	(3230)	(17150)
	18/12/96 14:30	19/12/96 14:15	23:45	6		6
			(23.75)	(13810)		(13810)
	TOTAL		119:45	17	1	18
			(119.75)	(36700)	(3230)	(39930)
TOTAL (all meshes combined)				27	2	29
				(55970)	(5030)	(61000)

Table 5. Gillnet set data from the test fishery conducted at Little Doctor Lake, NT, in March 1996.

SITE	PERIOD AND DURATION OF GILLNET SET			NUMBER OF FISH CAUGHT (round weight in g)						
	Set time (dd/mm/yy hr:min)	Pull time (dd/mm/yy hr:min)	Hours fished (h)	burbot	lake trout	lake whitefish	northern pike	sucker	walleye	TOTAL
89 mm MESH GILLNETS 91.4 m LONG and 3.66 m DEEP										
1	20/03/96	21/03/96	25:10			1	3		1	5
	14:20	15:30	(25.17)			(630)			(410)	
	21/03/96	24/03/96	69:30	1		9			4	14
	15:45	13:15	(69.5)	(460)		(6470)			(3380)	
	24/03/96	25/03/96	21:05			1			1	2
	13:30	10:35	(21.08)			(360)			(560)	
	TOTAL		115:45	1	0	11	3	0	6	21
			(115.75	(460)		(7460)			(4350)	
114 mm MESH GILLNETS 91.4 m LONG and 3.66 m DEEP										
2	20/03/96	21/03/96	22:50		7	7	4		8	26
	15:40	14:30	(22.83)		(11780)	(5960)	(16680)		(10990)	
	21/03/96	22/03/96	26:05	5	2	8	2	1	9	27
	15:00	17:05	(26.08)		(3360)	(7440)	(6280)	(990)	(13020)	
	22/03/96	24/03/96	45:20		7	8	3		13	31
	17:40	15:00	(45.33)		(9820)	(6670)			(17770)	
	TOTAL		94:15	5	16	23	9	1	30	84
					(24960)	(20070)		(990)	(41780)	
140 mm MESH GILLNETS 91.4 m LONG and 3.66 m DEEP										
3	21/03/96	22/03/96	23:15		1	3	1	5		10
	17:30	16:45	(23.25)		(890)	(4470)	(2370)			
	22/03/96	25/03/96	66:35		2	2		5	1	10
	16:55	11:30	(66.58)		(3270)	(1660)		(8930)	(1800)	
	TOTAL		89:50	0	3	5	1	10	1	20
					(4160)	(6130)	(2370)		(1800)	
TOTAL (all meshes combined)				6	19	39	13	11	37	125
					(29120)	(33660)			(47930)	

Table 6. Gillnet set data from the test fishery conducted at "McEwan" Lake, NT, in March 1999.

Site	PERIOD AND DURATION OF GILLNET SET			Water	NUMBER OF FISH CAUGHT (round weight in g)					
	Set time (dd/mm/yy hr:min)	Pull time (dd/mm/yy hr:min)	Hours fished (h)	depth (m)	burbot	cisco	lake whitefish	northern pike	yellow walleye	TOTAL
89 mm MESH GILLNETS 91.4 m LONG and 3.66 m DEEP										
A	15/01/00 11:10	17/01/00 10:30	47:20	9.5		6	10	3	1	20
			(47.33)			(460)	(13650)	(6310)	(860)	(21280)
	17/01/00 10:50	19/01/00 10:20	47:30			4	3		2	9
			(47.50)			(300)	(2140)		(750)	(3190)
	19/01/00 10:35	21/01/00 10:40	48:05			4	3		1	8
			(48.08)			(550)	(2350)		(3030)	(5930)
	21/01/00 10:50	23/01/00 10:20	47:30			6		2	1	9
			(47.50)			(400)		(2060)	(500)	(2960)
	23/01/00 10:30	25/01/00 10:00	47:30		1	6	2	1		10
			(47.50)		(670)	(750)	(760)*	(1130)		(3310)*
B	20/01/00 13:30	22/01/00 10:40	45:10	5.5-15	3	2	24	2	2	33
			(45.17)		(2040)	(380)	(22560)	(1690)	(791)	(27461)
	22/01/00 11:00	24/01/00 10:40	47:40		2	2	10	1	2	17
			(47.67)		(1650)	(110)	(18040)	(1670)	(1490)	(22960)
	24/01/00 10:50	25/01/00 10:55	24:05			1	3		3	7
			(24.08)			(60)	(2510)		(3010)	(5580)
	TOTAL		354:50		6	31	55	9	12	113
			(354.83)		(4360)	(3010)	(62010)*	(12860)	(10431)	(92671)*
114 mm MESH GILLNETS 91.4 m LONG and 3.66 m DEEP										
A	15/01/00 11:20	17/01/00 11:00	47:40	9.5	2		6			8
			(47.67)		-**		(6250)			(6250)**
	17/01/00 11:05	19/01/00 10:40	47:35			1	4	2		7
			(47.58)			(90)	(6540)	(3610)		(10240)
	19/01/00 10:55	21/01/00 10:55	48:00			2	5			7
			(48.00)			(150)	(8300)			(8450)
	21/01/00 11:05	23/01/00 10:35	47:30				1	2		3
			(47.50)				(1300)	(3810)		(5110)
	23/01/00 10:40	25/01/00 10:20	47:40				2	2	1	5
			(47.67)				(5440)	(4360)	(1180)	(10980)
B	20/01/00 13:55	22/01/00 11:05	45:10	15-17		1	11	1		13
			(45.17)			(80)	(10600)		(1000)	(11680)
	22/01/00 11:10	24/01/00 11:00	47:50				4		1	5
			(47.83)				(7120)		(1220)	(8340)
	24/01/00 11:05	25/01/00 11:05	24:00							0
			(24.00)							(0)
	TOTAL		355:25		2	4	33	7	2	48
			(355.42)		-**	(320)	(45550)	(11780)	(3400)	(61050)**
140 mm MESH GILLNETS 91.4 m LONG and 3.66 m DEEP										
A	15/01/00 12:00	17/01/00 11:15	47:15	9.5	1		11			12
			(47.25)		(2360)		(16970)			(19330)
	17/01/00 11:25	19/01/00 11:00	47:35				4		1	5
			(47.58)				(6610)		(2000)	(8610)
	19/01/00 11:05	21/01/00 11:10	48:05				1			1
			(48.08)				(2690)			(2690)
	21/01/00 11:15	23/01/00 10:45	47:30				4			4
			(47.50)				(7900)			(7900)
	23/01/00 10:55	25/01/00 10:30	47:35				4		1	5
			(47.58)				(8240)		(3050)	(11290)
B	20/01/00 14:20	22/01/00 11:15	44:55	9-17			9			9
			(44.92)				(16210)			(16210)
	22/01/00 11:25	24/01/00 11:10	47:45			1	6		1	8
			(47.75)			(230)	(8790)		(680)	(9700)
	24/01/00 11:20	25/01/00 11:10	23:50				4			4
			(23.83)				(8400)			(8400)
	TOTAL		354:30		1	1	43	0	3	48
			(354.50)		(2360)	(230)	(75810)	(0)	(5730)	(84130)
TOTAL ALL MESHES COMBINED			1064:45		9	36	131	16	17	209
			(1064.75)		(6720)**	(3560)	(183370)*	(24640)	(19561)	(237851)***

* Each asterisk indicates a missing weight.

Table 7. Gillnet set data from the test fishery conducted at McGill Lake, NT, in February 2000.

Site	PERIOD AND DURATION OF GILLNET SET			Water	NUMBER OF FISH CAUGHT (round weight in g)					
	Set time (dd/mm/yy hr:min)	Pull time (dd/mm/yy hr:min)	Hours fished (h)	depth (m)	burbot	lake whitefish	northern pike	white sucker	yellow walleye	TOTAL
89 mm MESH GILLNETS 91.4 m LONG and 3.66 m DEEP										
1	01/02/00 11:15	02/02/00 10:05	22:50	6.0-8.5			1	1	1	3
			(22.83)				(880)	(1350)	(1240)	(3470)
	02/02/00 10:15	03/02/00 10:00	23:45				1		1	2
			(23.75)				(1020)		(600)	(1620)
	03/02/00 10:05	04/02/00 9:55	23:50							0
			(23.83)							(0)
	04/02/00 10:00	05/02/00 9:40	23:40				1			1
			(23.67)				(250)			(250)
	05/02/00 9:45	06/02/00 9:15	23:30							0
			(23.50)							(0)
	06/02/00 9:20	07/02/00 9:05	23:45				1			1
			(23.75)				(4530)			(4530)
2	02/02/00 12:45	03/02/00 10:15	21:30	3.0		8	8		3	19
			(21.50)			(5480)	(12180)		(3010)	(20670)
	03/02/00 10:25	04/02/00 10:10	23:45			2	6		1	9
			(23.75)			(870)	(4081)		(1130)	(6081)
	04/02/00 10:15	05/02/00 10:05	23:50					1	1	2
			(23.83)					(970)	(610)	(1580)
	05/02/00 10:10	06/02/00 9:25	23:15			1	3		1	5
			(23.25)			(530)	(2360)		(1130)	(4020)
	06/02/00 9:35	07/02/00 9:15	23:40				2		1	3
			(23.67)				(1470)		(1520)	(2990)
	07/02/00 9:20	08/02/00 8:40	23:20			1	1			2
			(23.33)			(600)	(7610)			(8210)
	TOTAL		280:40		0	12	24	2	9	47
			(280.67)		(0)	(7480)	(34381)	(2320)	(9240)	(53421)
114 mm MESH GILLNETS 91.4 m LONG and 3.66 m DEEP										
1	01/02/00 11:40	02/02/00 9:50	22:10	8.5					1	1
			(22.17)						(1060)	(1060)
	02/02/00 10:00	03/02/00 9:50	23:50						2	2
			(23.83)						(3570)	(3570)
	03/02/00 9:55	04/02/00 9:45	23:50			1				1
			(23.83)			(650)				(650)
	04/02/00 9:50	05/02/00 9:35	23:45							0
			(23.75)							(0)
	05/02/00 9:40	06/02/00 9:05	23.25							0
			(23.42)							(0)
	06/02/00 9:10	07/02/00 8:55	23:45							0
			(23.75)							(0)
2	02/02/00 13:15	03/02/00 10:30	21:15	3.0		4	1	5		10
			(21.25)			(3380)	(3090)	(8110)		(14580)
	03/02/00 10:45	04/02/00 10:25	23:40					3	1	4
			(23.67)					(5190)	(1020)	(6210)
	04/02/00 10:30	05/02/00 10:45	24:15					1		1
			(24.25)					(1510)		(1510)
	05/02/00 10:20	06/02/00 9:40	23:20		1			2	1	4
			(23.33)		-*			(3730)	(1140)	(4870)*
	06/02/00 9:45	07/02/00 9:25	23:40							0
			(23.67)							(0)
	07/02/00 9:30	08/02/00 8:50	23:20							0
			(23.33)							(0)
	TOTAL		280:15		1	5	1	11	5	23
			(280.25)		-*	(4030)	(3090)	(18540)	(6790)	(32450)*

Site	PERIOD AND DURATION OF GILLNET SET			Water	NUMBER OF FISH CAUGHT (round weight in g)					
	Set time (dd/mm/yy hr:min)	Pull time (dd/mm/yy hr:min)	Hours fished (h)	depth (m)	burbot	lake whitefish	northern pike	white sucker	yellow walleye	TOTAL
140 mm MESH GILLNETS 91.4 m LONG and 3.66 m DEEP										
1	01/02/00 12:00	02/02/00 9:40	21:40	6.0-8.5						0
			(21.67)							(0)
	02/02/00 9:45	03/02/00 9:35	23:50				1		1	2
			(23.83)				(2390)		(2730)	(5120)
	03/02/00 9:45	04/02/00 9:30	23:45							0
			(23.75)							(0)
	04/02/00 9:40	05/02/00 9:25	23:45							0
			(23.75)							(0)
	05/02/00 9:30	06/02/00 8:55	23:25							0
			(23.42)							(0)
	06/02/00 9:00	07/02/00 8:45	23:45							0
			(23.75)							(0)
2	02/02/00 13:30	03/02/00 11:00	21:30	3.0		1		1	1	3
			(21.50)			(750)		(1820)	(1410)	(3980)
	03/02/00 11:45	04/02/00 10:35	22:50			2	2	1	2	7
			(22.83)			(2320)	(12170)	(2110)	(4890)	(21490)
	04/02/00 10:40	05/02/00 10:25	23:45			3		1	2	6
			(23.75)			(4890)		(2510)	(2930)	(10330)
	05/02/00 10:30	06/02/00 9:50	23:20			4		1	2	7
			(23.33)			(4850)		(2290)	(3440)	(10580)
	06/02/00 9:55	07/02/00 9:35	23:40			2				2
			(23.67)			(3480)				(3480)
	07/02/00 9:40	08/02/00 9:00	23:20							
			(23.33)							
	TOTAL		278:35		0	12	3	4	8	27
			(278.58)		-	(16290)	(14560)	(8730)	(15400)	(54980)
	TOTAL ALL MESHES COMBINED		839:30		1	29	28	17	22	97
			(839.50)		-*	(27800)	(52031)	(29590)	(31430)	(140851)*

* One missing weight.

Table 8. Gillnet set data from the test fishery conducted at "Reade" Lake in February 2000.

PERIOD AND DURATION OF GILLNET SET			Water	NUMBER OF FISH CAUGHT (round weight in g)		
Set time (dd/mm/yy hr:min)	Pull time (dd/mm/yy hr:min)	Hours fished (h)	depth (m)	lake whitefish	northern pike	TOTAL
89 mm MESH GILLNETS 91.4 m LONG and 3.66 m DEEP						
12/01/00 11:45	13/01/00 10:20	22:35	6.5-7.5	5	8	13
		(22.58)		(3590)	(7470)	(11060)
13/01/00 10:30	14/01/00 9:40	23:10		4	4	8
		(23.17)		(4210)	(2980)	(7190)
14/01/00 9:55	16/01/00 10:00	48:05		10	8	18
		(48.08)		(9400)	(9680)	(19080)
16/01/00 10:15	18/01/00 10:30	48:15		12	1	13
		(48.25)		(10340)	(1030)	(11370)
18/01/00 10:40	20/01/00 9:30	46:50		7	3	10
		(46.83)		(3640)	(2770)	(6410)
20/01/00 9:40	22/01/00 13:50	52:10		9	4	13
		(52.17)		(6160)	(5710)	(11870)
TOTAL		241:05		47	28	150
		(241.08)		(37340)	(29640)	(133960)
114 mm MESH GILLNETS 91.4 m LONG and 3.66 m DEEP						
12/01/00 12:30	13/01/00 10:35	22:05	6.0-6.5	13	4	17
		(22.08)		(11940)	(10290)	(22230)
13/01/00 10:45	14/01/00 10:00	23:15		7	2	9
		(23.25)		(5570)	(5110)	(10680)
14/01/00 10:10	16/01/00 10:17	48:07		19	2	21
		(48.12)		(21430)	(5580)	(27010)
16/01/00 10:40	18/01/00 10:45	48:05		11	3	14
		(48.08)		(10600)	(7210)	(17810)
18/01/00 10:40	20/01/00 9:45	47:05		9	2	11
		(47.08)		(7940)	(4570)	(12510)
20/01/00 9:50	22/01/00 14:05	52:15		5	4	9
		(52.25)		(5810)	(10720)	(16530)
TOTAL		240:52		64	17	162
		(240.87)		(63290)	(43480)	(213540)
140 mm MESH GILLNETS 91.4 m LONG and 3.66 m DEEP						
12/01/00 11:15	13/01/00 10:00	22:45	6.0-7.5	2		2
		(22.75)		(2160)		(2160)
13/01/00 10:15	14/01/00 9:30	23:15				0
		(23.25)				(0)
14/01/00 9:40	16/01/00 9:45	48:05		6		6
		(48.08)		(7820)		(7820)
16/01/00 9:55	18/01/00 10:15	48:20		6		6
		(48.33)		(8090)		(8090)
18/01/00 10:25	20/01/00 9:10	46:45		1		1
		(46.75)		(1860)		(1860)
20/01/00 9:20	22/01/00 13:40	52:20				0
		(52.33)				(0)
TOTAL		241:30		15	0	30
		(241.50)		(19930)	(0)	(39860)
TOTAL ALL MESHES COMBINED		723:27		126	45	171
		(723.45)		(120560)	(73120)	(193680)

Table 9. Gillnet set data from the test fishery conducted at "Sanguez" Lake in December 1996.

SITE	PERIOD AND DURATION OF GILLNET SET			NUMBER OF FISH CAUGHT (round weight in g)				
	Set time (dd/mm/yy hr:min)	Pull time (dd/mm/yy hr:min)	Hours fished (h)	lake cisco	lake whitefish	northern pike	walleye	TOTAL
89 mm MESH GILLNETS 91.4 m LONG and 3.66 m DEEP								
2	9/12/96 12:45	10/12/96 13:55	25:10	2	2	3	4	11
			(25.17)	(530)	(2260)	(7200)	(4160)	(14150)
	10/12/96 13:55	11/12/96 13:45	23:50	2			3	5
			(23.83)	(540)			(3040)	(3580)
	11/12/96 13:45	12/12/96 15:20	25:35			3	3	6
			(25.58)			(5500)	(2740)	(8240)
	12/12/96 15:20	13/12/96 15:00	23:40	4	1	1	1	7
			(23.67)	(1110)	(2175)	(2040)	(1275)	(6600)
	13/12/96 15:00	15/12/96 13:20	46:20	3		3	3	9
			(46.33)	(840)		(5870)	(2630)	(9340)
	TOTAL		144:35	11	3	10	14	38
			(144.58)	(3020)	(4435)	(20610)	(13845)	(41910)
114 mm MESH GILLNETS 91.4 m LONG and 3.66 m DEEP								
2	8/12/96 16:45	9/12/96 11:55	19:10		2	2	7	11
			(19.17)		(3760)	(3440)	(7290)	(14490)
	9/12/96 11:55	10/12/96 14:25	26:30			3	7	10
			(26.5)			(5910)	(7800)	(13710)
	10/12/96 14:25	11/12/96 14:08	23:43	2			6	8
			(23.72)	(460)			(7010)	(7470)
	11/12/96 14:08	12/12/96 15:45	25:37			1	2	3
			(25.62)			(1440)	(2130)	(3570)
	12/12/96 15:45	13/12/96 15:50	24:05			1	2	3
			(24.08)			(4700)	(2755)	(7455)
	13/12/96 15:50	15/12/96 13:45	45:55	1	2	1	7	11
			(45.92)	(310)	(4810)	(1910)	(7940)	(14970)
	15/12/96 13:45	17/12/96 13:20	47:35		1	5	4	10
			(47.58)		(2880)	(14040)		(16920)[a]
	TOTAL		212:35	3	5	13	35	56
			(212.58)	(770)	(11450)	(31440)	(34925)[a]	(78585)[a]
133 mm MESH GILLNETS 91.4 m LONG and 3.66 m DEEP								
1	8/12/96 15:30	9/12/96 11:15	19:45		4	3		7
			(19.75)		(7120)	(9290)		(16410)
	9/12/96 11:15	10/12/96 15:05	23:50		3	8		11
			(23.83)		(6600)	(24190)		(30790)
	10/12/96 15:05	11/12/96 13:20	22:15		5	2		7
			(22.25)		(8740)	(6730)		(15470)
	11/12/96 13:20	12/12/96 16:35	27:15		3	7		10
			(27.25)		(6090)	(19440)		(25530)
	12/12/96 16:35	13/12/96 14:20	21:45		2	1	1	4
			(24.75)		(4245)	(2970)	(1400)	(8615)
	13/12/96 14:20	15/12/96 14:35	48:15		5	3		8
			(48.25)		(10430)	(7300)		(17730)
	15/12/96 14:35	17/12/96 12:10	45:35		1	1	1	3
			(45.58)		(1630)		(3160)	(4790)[a]
	TOTAL		208:40	0	23	25	2	50
			(208.67)		(44855)	(69920)[a]	(4560)	(119335)
TOTAL (all meshes combined)			565:50	14	31	48	51	144
			(565.83)	(3790)	(60740)	(121970)	(53330)	(239830)

Table 10. Gillnet set data from the test fishery conducted at Sibbeston Lake, NT, in November and December 1997.

SITE	PERIOD AND DURATION OF GILLNET SET			NUMBER OF FISH CAUGHT				
	Set time (dd/mm/yy hr:min)	Pull time (dd/mm/yy hr:min)	Hours fished (h)	lake whitefish	northern pike	white sucker	walleye	TOTAL
114 mm MESH GILLNETS 91.4 m LONG and 3.66 m DEEP								
1	29/11/97 11:00	30/11/97 10:35	23:35 (23.58)	19			1	20
	30/11/97 10:35	01/12/97 14:00	27:25 (27.42)	18	2			20
2	29/11/97 13:30	30/11/97 10:05	20:35 (20.58)	17			1	18
	30/11/97 10:05	01/12/97 17:00	30:55 (30.92)	20		1		21
	TOTAL		102:30 (102.5)	74	2	1	2	79
140 mm MESH GILLNETS 91.4 m LONG and 3.66 m DEEP								
1	27/11/97 11:00	28/11/97 10:40	23:40 (23.67)	18		3		21
	28/11/97 10:40	29/11/97 11:00	24:20 (24.33)	8				8
2	27/11/97 14:40	28/11/97 13:30	22:50 (22.83)	11		1	1	13
	28/11/97 13:30	29/11/97 13:30	24:00 (24.0)	5		2	1	8
3	29/11/97 11:00	30/11/97 10:30	23:30 (23.5)	12	1		1	14
	30/11/97 10:30	01/12/97 16:30	30:00 (30.0)	10	1			11
	TOTAL		148:20 (148.33)	64	2	6	3	75
TOTAL (all meshes combined)			250:50 (250.83)	138	4	7	5	154

Table 11. Gillnet set data from the test fishery conducted at Tsetso Lake, NT, in December 1997.

SITE	PERIOD AND DURATION OF GILLNET SET			NUMBER OF FISH CAUGHT			
	Set time (dd/mm/yy hr:min)	Pull time (dd/mm/yy hr:min)	Hours fished (h)	lake whitefish	northern pike	walleye	TOTAL
114 mm MESH GILLNETS 91.4 m LONG and 3.66 m DEEP							
1	2/12/97 12:00	5/12/97 11:30	72:00 (72.0)	26		25	51
	5/12/97 11:30	6/12/97 11:25	23:55 (23.92)	20		16	36
	6/12/97 11:25	7/12/97 11:00	23:35 (23.58)	7		10	17
2	4/12/97 14:30	5/12/97 12:30	22:00 (22.0)	12	1	13	26
	5/12/97 12:30	6/12/97 12:30	24:00 (24.0)	23		12	35
	6/12/97 12:30	7/12/97 13:30	25:00 (25.0)	27			27
	TOTAL		165:30 (165.5)	115	1	76	192
140 mm MESH GILLNETS 91.4 m LONG and 3.66 m DEEP							
1	7/12/97 11:00	8/12/97 12:00	25:00 (25.0)	14		4	18
	8/12/97 12:00	9/12/97 11:00	23:00 (23.0)	12	2	4	18
	9/12/97 11:00	10/12/97 13:30	26:30 (26.5)	15		5	20
2	7/12/97 13:30	8/12/97 14:00	24:30 (24.5)	22		2	24
	8/12/97 14:00	9/12/97 12:00	22:00 (22.0)	16		2	18
	9/12/97 12:00	10/12/97 14:30	50:30 (50.5)	10		12	22
	TOTAL		196:30 (196.5)	89	2	29	120
TOTAL (all meshes combined)			362:00 (362.0)	204	3	105	312

Table 12. Gillnet set data from the test fishery conducted at Willow Lake, NT, in March 1999.

PERIOD AND DURATION OF GILLNET SET			Water	NUMBER OF FISH CAUGHT (round weight in g)					
Set time (dd/mm/yy hr:min)	Pull time (dd/mm/yy hr:min)	Hours fished (h)	depth (m)	burbot	lake trout	lake whitefish	longnose sucker	northern pike	TOTAL
89 mm MESH GILLNETS 91.4 m LONG and 3.66 m DEEP									
10/03/99 13:35	11/03/99 9:45	20:10	6.0-7.0	1		17		2	20
		(20.17)		(830)		(15250)		(7730)	(23810)
11/03/99 10:00	12/03/99 9:15	23:15			1	9	1	3	14
		(23.25)			(2960)	(7260)	(800)	(2200)	(13220)
12/03/99 9:30	13/03/99 8:45	23:15				13		8	21
		(23.25)				(12161)		(17790)	(29951)
13/03/99 9:00	14/03/99 8:00	23:00			1	11		7	19
		(23.00)			(2340)	(8640)*		(11620)*	(22600)**
12/03/99 13:30	13/03/99 11:40	22:10	5.0-11.0	1	2	15		2	20
		(22.17)		(2300)	(3850)	(12830)		(2570)	(21550)
13/03/99 12:00	14/03/99 10:15	22:15		2	1	15		2	20
		(22.25)		(2730)	(1840)	(12150)		(2210)	(18930)
TOTAL		134:05		4	5	80	1	24	114
		(134.08)		(5860)	(10990)	(68291)*	(800)	(44120)*	(130061)**
114 mm MESH GILLNETS 91.4 m LONG and 3.66 m DEEP									
10/03/99 16:30	11/03/99 10:15	17:45	5.5-7.0		4	18	1		23
		(17.75)			(9050)	(19160)	(1150)		(29360)
11/03/99 10:30	12/03/99 9:45	23:15			1	6		2	9
		(23.25)			(1440)	(6530)		(6620)	(14590)
12/03/99 9:55	13/03/99 9:15	23:20				9		3	12
		(23.33)				(9520)		(3780)	(13300)
13/03/99 9:25	14/03/99 8:35	23:10			3	7	1	1	12
		(23.17)			(1900)	(5940)	(2060)	(1340)	(11240)
12/03/99 14:30	13/03/99 11:05	20:35	11.0-12.5			8			8
		(20.58)				(8080)			(8080)
13/03/99 11:30	14/03/99 10:35	23:05			1	8			9
		(23.08)			(2150)	(7360)			(9510)
TOTAL		131:10		0	9	56	2	6	73
		(131.17)			(14540)	(56590)	(3210)	(11740)	(86080)
140 mm MESH GILLNETS 91.4 m LONG and 3.66 m DEEP									
10/03/99 18:45	11/03/99 10:50	16:05	5.5-7.0		7	10		1	18
		(16.08)			(27080)	(11670)		(1920)	(40670)
11/03/99 11:05	12/03/99 10:05	23:00			5	3			8
		(23.00)			(20910)	(860)			(21770)
12/03/99 10:20	13/03/99 9:35	23:15				7			7
		(23.25)				(8900)			(8900)
13/03/99 9:50	14/03/99 8:55	23:05			7	2			9
		(23.08)			(22530)	(2080)			(24610)
12/03/99 16:10	13/03/99 12:15	20:05	19.5		1	4			5
		(20.08)			-*	(4540)			(4540)*
13/03/99 12:30	14/03/99 11:10	22:40		3		5			8
		(22.67)		(2140)		(4920)			(7060)
TOTAL		128:10		3	20	31	0	1	55
		(128.17)		(2140)	(70520)*	(32970)		(1920)	(107550)*
TOTAL ALL MESHES COMBINED		393:25		7	34	167	3	31	242
		(393.42)		(8000)	(96050)*	(157851)*	(4010)	(57780)*	(323691)***

*one missing weight, **two missing weights, ***three missing weights

Table 13. Summary, by gillnet mesh size, of the number of fish caught per unit of sampling effort (CPUE) at Cli Lake, NT, in March 1996.

Mesh size (mm)	CPUE (fish/100 m of gillnet set 24 h)[a]					
	lake trout			lake whitefish		
	Range	Mean	STD	Range	Mean	STD
89	8.5-22	15.2	6.34	1.7-19	10.4	9.09
114	1.2-36	14.5	15.3	0-26	6.99	12.9
140	2.4-5.0	3.11	1.05	0-12	6.65	5.77

[a] Gillnets were 91.7 m long and 3.66 m deep.

Table 14. Summary, by gillnet mesh size, of the number and round weight (kg) of fish caught per unit of sampling effort (CPUE) at Deep Lake, NT, in February 2000.

Mesh size (mm)	CPUE in number of fish/100 m of gillnet set 24 h* (CPUE in kg of fish/100 m of gillnet set 24 h)														
	cisco			lake whitefish			northern pike			yellow walleye			All species combined		
	Range	Mean	STD	Range	Mean	STD	Range	Mean	STD	Range	Mean	STD	Range	Mean	STD
89	0-1.10	0.09	0.32	0-2.35	1.03	1.01	0-2.22	0.37	0.72	-	0	-	0-3.33	1.49	1.28
	(0-0.04)	(0.004)	(0.01)	(0-2.90)	(1.18)	(1.13)	(0-2.21)	(0.46)	(0.84)				(0-3.69)	(1.64)	(1.59)
114	-	0	-	0-1.19	0.19	0.45	0-1.19	0.19	0.45	0-3.41	0.28	0.99	0-4.55	0.67	1.42
				(0-1.65)	(0.19)	(0.50)	(0-2.12)	(0.34)	(0.80)	(0-3.19)	(0.26)	(0.92)	(0-5.19)	(0.80)	(1.64)
140	-	0	-	0-9.51	1.44	2.72	-	0	-	0-1.14	0.09	0.33	0-9.51	1.53	2.69
				(0-12.9)	(1.95)	(3.70)				(0-1.46)	(0.12)	(0.42)	(0-12.9)	(2.07)	(3.65)

* Gillnets were 91.4 m long and 3.66 m deep.

Table 15. Summary, by gillnet mesh size, of the number of fish caught per unit of sampling effort (CPUE) at "Ekali" Lake, NT, in December 1996.

Mesh size (mm)	CPUE (fish/100 m of gillnet set 24 h)											
	lake cisco			lake whitefish			northern pike			yellow walleye		
	Range	Mean	STD	Range	Mean	STD	Range	Mean	STD	Range	Mean	STD
GILLNETS 91.4 m LONG and 3.66 m DEEP												
89	-	175	-	-	0	-	-	0	-	-	0	-
114	23-46	32	12	-	0	-	0-2.1	0.7	1.2	-	0	-
133	4.2-4.6	4.3	0.2	-	0	-	-	0	-	-	0	-
GILLNETS 45.7 m LONG and 1.83 m DEEP												
102	0-6.7	1.7	3.3	0-1.1	0.3	0.5	0-1.3	0.5	0.6	1-1.3	0.3	0.7
114	0-6.2	1.2	1.3	0-11	2.2	2.2	0-2.1	0.2	0.5	2.1-5.1	1.4	0.7
133	1.2-3.4	0.9	1.5	1.1-4.6	1.5	1.9	-	0	-	0-0.6	0.1	0.3

Table 16. Summary, by gillnet mesh size, of the number and round weight (kg) of fish caught per unit of sampling effort (CPUE) at "Gargon" Lake, NT, in December 1996.

Mesh Size (mm)	CPUE in number of fish/100 m of gillnet set 24 h[a] (CPUE in kg of fish /100 m of gillnet set 24 h)					
	lake whitefish			northern pike		
	Range	Mean	STD	Range	Mean	STD
114	1.1-3.3	2.16	1.05	0-0.6	0.19	0.33
	(3.2-5.1)	(4.2)	(0.98)	(0-1.0)	(0.30)	(0.57)
133	2.3-6.9	2.78	1.80	0-0.5	0.13	0.20
	(5.2-15.3)	(9.3)	(5.3)	(0-1.7)	(0.57)	(0.98)

[a] Gillnets were 45.7 m long and 1.83 m deep.

Table 17. Summary, by gillnet mesh size, of the number and weight (kg) of fish caught per unit of sampling effort (CPUE) at Little Doctor Lake, NT, in March 1996.

Mesh size (mm)	CPUE in number of fish/100 m of gillnet set 24 h* (CPUE in kg of fish/100 m of gillnet set 24 h)																	
	burbot			lake trout			lake whitefish			northern pike			sucker			yellow walleye		
	Range	Mean	STD	Range	Mean	STD	Range	Mean	STD	Range	Mean	STD	Range	Mean	STD	Range	Mean	STD
89	0-.38	0.13	0.22	-	0	-	1.0-3.4 (0.4-2.4)	1.90 (1.2)	1.31 (1.1)	0-3.1	1.04	1.81	-	0	-	1.0-1.5 (0.4-1.3)	1.27 (0.8)	0.23 (0.4)
114	0-5.0	1.68	2.91	2.0-8.0 (3.4-13.5)	4.71 (7.5)	3.07 (5.3)	4.6-8.0 (3.9-7.5)	6.91 (6.1)	1.97 (1.9)	1.7-4.6	2.78	1.58	0-1.0	0.34	0.58	7.5-9.2 (10.2-13.1)	8.60 (12.0)	0.93 (1.5)
140	-	0	-	0.8-1.1 (1.0-1.3)	0.96 (1.1)	0.24 (0.2)	0.8-3.4 (0.7-5.0)	2.09 (2.9)	1.84 (3.1)	0-1.1	0.56	0.80	2.0-5.6	3.81	2.60	0-0.4 (0-0.7)	0.20 (0.36)	0.28 (0.5)

* Gillnets were 91.4 m long and 3.66 m deep.

Table 18. Summary, by gillnet mesh size, of the number and round weight (kg) of fish caught per unit of sampling effort (CPUE) at "McEwan" Lake, NT, in January 2000.

Mesh size (mm)	CPUE in number of fish/100 m of gillnet set 24 h* (CPUE in kg of fish/100 m of gillnet set 24 h)																	
	burbot			cisco			lake whitefish			northern pike			yellow walleye			All species combined		
	Range	Mean	STD	Range	Mean	STD	Range	Mean	STD	Range	Mean	STD	Range	Mean	STD	Range	Mean	STD
89	0-1.74	0.42	0.67	1.09-3.33	2.21	1.02	0-14.0	4.09	4.47	0-1.66	0.63	0.63	0-3.27	1.04	0.99	4.37-19.2	8.39	4.97
	(0-1.19)	(0.31)	(0.48)	(0.06-0.42)	(0.21)	(0.12)	(0-13.1)	(4.53)	(4.99)	(0-3.50)	(0.90)	(1.16)	(0-3.28)	(0.92)	(1.07)	(1.64-16.0)	(6.87)	(5.77)
114	0-1.10	0.14	0.39	0-1.09	0.28	0.42	0-6.39	2.31	1.99	0-1.11	0.49	0.55	0-0.55	0.14	0.25	0-7.56	3.35	2.21
	(-)	(-)**	(-)	(0-0.08)	(0.02)	(0.03)	(0-6.16)	(3.17)	(1.99)	(0-2.40)	(0.81)	(1.13)	(0-0.67)	(0.24)	(0.33)	(0-6.79)	(4.25)	(2.16)
140	0-0.56	0.07	0.20	0-0.55	0.07	0.19	0.55-6.11	3.28	1.86	-	0	-	0-0.55	0.21	0.29	0.55-6.67	3.63	1.93
	(0-1.31)	(0.16)	(0.46)	(0-0.13)	(0.02)	(0.05)	(1.47-9.48)	(5.88)	(3.08)				(0-1.68)	(0.40)	(0.65)	(1.47-10.7)	(6.45)	(3.13)

* Gillnets were 91.4 m long and 3.66 m deep. **Missing weights.

Table 19. Summary, by gillnet mesh size, of the number and round weight (kg) of fish caught per unit of sampling effort (CPUE) at McGill Lake, NT, in February 2000.

Mesh size (mm)	CPUE in number of fish/100 m of gillnet set 24 h* (CPUE in kg of fish/100 m of gillnet set 24 h)																	
	burbot			lake whitefish			northern pike			white sucker			yellow walleye			All species combined		
	Range	Mean	STD	Range	Mean	STD	Range	Mean	STD	Range	Mean	STD	Range	Mean	STD	Range	Mean	STD
89	-	0	-	0-9.77	1.19	2.80	0-9.77	2.30	2.99	0-1.15	0.19	0.44	0-3.66	0.86	1.04	0-23.2	4.54	6.48
				(0-6.69)	(0.74)	(1.90)	(0-14.9)	(3.31)	(4.48)	(0-1.55)	(0.22)	(0.52)	(0-3.68)	(0.89)	(1.09)	(0-25.2)	(5.16)	(6.93)
114	0-1.13	0.09	0.32	0-4.94	0.50	1.43	0-1.24	0.10	0.36	0-6.18	1.07	1.95	0-2.20	0.47	0.75	0-12.4	2.24	3.58
	-	-**	-	(0-4.18)	(0.41)	(1.21)	(0-3.82)	(0.32)	(1.10)	(0-10.0)	(1.80)	(3.23)	(0-3.93)	(0.63)	(1.17)	(0-18.0)	(3.16)	(5.24)
140	-	0	-	0-4.50	1.13	1.59	0-2.30	0.28	0.71	0-1.22	0.38	0.57	0-2.30	0.76	1.00	0-8.05	2.55	3.24
				(0-5.46)	(1.53)	(2.22)	(0-14.0)	(1.39)	(4.04)	(0-2.78)	(0.83)	(1.24)	(0-5.62)	(1.46)	(1.99)	(0-24.7)	(5.20)	(7.56)

* Gillnets were 91.4 m long and 3.66 m deep. ** Missing weight.

Table 20. Summary, by gillnet mesh size, of the number and round weight (kg) of fish caught per unit of sampling effort (CPUE) at "Reade" Lake, NT, in January 2000.

Mesh size (mm)	CPUE in number of fish/100 m of gillnet set 24 h* (CPUE in kg of fish/100 m of gillnet set 24 h)								
	lake whitefish			northern pike			all species combined		
	Range	Mean	STD	Range	Mean	STD	Range	Mean	STD
89	3.92-6.53	5.13	0.97	0.54-9.30	3.74	3.14	5.61-15.1	8.87	3.44
	(2.04-5.63)	(4.14)	(1.35)	(0.56-8.69)	(3.72)	(2.92)	(3.59-12.9)	(7.86)	(3.35)
114	2.51-15.5	7.88	4.56	1.09-4.76	2.15	1.36	4.52-20.2	10.0	5.60
	(2.92-14.2)	(7.55)	(4.41)	(2.55-12.2)	(5.49)	(3.54)	(6.98-26.4)	(13.0)	(7.12)
140	0-3.28	1.57	1.57	-	0	-	0-3.28	1.57	1.57
	(0-4.40)	(2.03)	(2.00)				(0-4.40)	(2.03)	(2.00)

* Gillnets were 91.4 m long and 3.66 m deep.

Table 21. Summary, by gillnet mesh size, of the number and round weight (kg) of fish caught per unit of sampling effort (CPUE) at "Sanguez" Lake, NT, in December 1996.

Mesh Size (mm)	CPUE in fish/100 m of gillnet set 24 h* (CPUE in kg round weight/100 m of gillnet set 24 h)											
	lake cisco			lake whitefish			northern pike			yellow walleye		
	Range	Mean	STD	Range	Mean	STD	Range	Mean	STD	Range	Mean	STD
89 mm	0-4.4 (0-1.2)	2.09 (0.57)	1.58 (0.44)	0-2.1 (0-2.4)	0.64 (1.0)	0.94 (1.3)	0-3.1 (0-7.5)	1.80 (3.7)	1.34 (2.9)	1.1-4.2 (1.4-4.3)	2.67 (2.7)	1.25 (1.2)
114 mm	0-2.2 (0-0.5)	0.40 (0.10)	0.83 (0.19)	0-2.7 (0-5.1)	0.63 (1.4)	1.03 (2.0)	0-3.0 (0-7.7)	1.59 (3.7)	1.21 (2.9)	2.1-9.6 (2.2-10)[b]	4.80 (5.9)[b]	2.96 (3.1)[b]
133 mm	-	-	-	0.6-5.9 (1.0-10)	3.26 (6.3)	1.83 (3.2)	0.6-8.8 (3.1-27)[b]	3.60 (12.1)[b]	3.12 (9.2)[b]	0-1.1 (0-1.6)	0.23 (0.5)	0.42 (0.8)

*Gillnets were 91.4 m long and 3.66 m deep. [b] CPUE by weight calculations ignored one set where fish weights were missing

Table 22. Summary, by gillnet mesh size, of the number of fish caught per unit of sampling effort (CPUE) at Sibbeston Lake, NT, in November and December 1997.

Mesh Size (mm)	CPUE in fish/100 m of gillnet set 24 h[a]											
	lake whitefish			northern pike			white sucker			yellow walleye		
	Range	Mean	STD	Range	Mean	STD	Range	Mean	STD	Range	Mean	STD
114 mm	17-22	19.2	2.2	0-1.9	0.49	0.83	0-0.9	0.22	0.37	0-1.3	0.58	0.60
133 mm	5.5-20	11.5	5.1	0-1.1	0.33	0.52	0-3.3	1.11	1.40	0-1.1	1.56	0.61

[a] Gillnets were 91.4 m long and 3.66 m deep.

Table 23. Summary, by gillnet mesh size, of the number of fish caught per unit of sampling effort (CPUE) at Tsetso Lake, NT, in December 1997.

Mesh size (mm)	CPUE (fish/100 m of gillnet set 24 h)[a]								
	lake whitefish			northern pike			yellow walleye		
	Range	Mean	STD	Range	Mean	STD	Range	Mean	STD
114 mm	7.8-28	17.9	8.5	0-1.2	0.20	0.49	0-18	11.1	6.2
140 mm	5.2-23	15.2	6.1	0-2.3	0.38	0.93	2.1-6.2	4.1	1.6

[a] Gillnets were 91.7 m long and 3.66 m deep.

Table 24. Summary, by gillnet mesh size, of the number and round weight (kg) of fish caught per unit of sampling effort (CPUE) at Willow Lake, NT, in March 1999.

Mesh size (mm)	CPUE in number of fish/100 m of gillnet set 24 h*																	
	Burbot			lake trout			lake whitefish			longnose sucker			northern pike			All species combined		
	Range	Mean	STD	Range	Mean	STD	Range	Mean	STD	Range	Mean	STD	Range	Mean	STD	Range	Mean	STD
89	0-2.36	0.81	0.98	0-2.37	0.97	0.89	10.2-22.1	15.8	4.3	0-1.13	0.19	0.46	2.36-9.04	4.62	3.05	15.8-26.0	22.2	3.5
	0-3.22	1.17	1.47	0-4.56	2.12	1.83	8.20-19.9	13.5**	4.13	0-0.90	0.15	0.37	2.48-20.1	8.59**	7.21	16.9-40.4	30.2**	8.5
114	-	0	-	0-5.92	1.93	2.31	6.78-26.6	11.8	7.4	0-1.48	0.44	0.68	0-3.38	1.13	1.42	10.2-34.0	15.3	9.3
	-	0	-	0-13.4	3.27	5.07	6.73-28.3	12.0	8.16	0-2.33	0.67	1.06	0-7.48	1.70	2.91	12.0-64.2	22.7	20.5
140	0-3.48	0.58	1.42	0-11.4	4.40	4.73	2.28-16.3	6.8	5.1	-	0	-	0-1.63	0.27	0.67	6.54-29.4	12.1	8.6
	0-2.48	0.41	1.01	0-44.2	15.6	18.5	0.98-19.1	7.35	6.55	-	0	-	0-3.13	0.52	1.28	7.76-108	32.9**	38.4

*Gillnets were 91.4 m long and 3.66 m deep.
**One lake trout, one lake whitefish, and one northern pike were not weighed.

Table 25. Biological data by age class for lake trout caught in 89, 114, and 140 mm mesh gillnets at Cli Lake, NT, in March 1996.

AGE	MALES							FEMALES							TOTAL							%
(y)			Fork length (mm)		Round weight (g)		K			Fork length (mm)		Round weight (g)		K			Fork length (mm)		Round weight (g)		K	FEMALE
	n	%	mean	SD	mean	SD		n	%	mean	SD	mean	SD		n	%	mean	SD	mean	SD		
8	-	-	-	-	-	-	-	1	3	350	-	460	-	1.07	1	2	350	-	460	-	1.07	-
9	1	3	410	-	710	-	1.03	1	3	340	-	340	-	0.87	3	5	333	80	397	289	0.93	50
10	-	-	-	-	-	-	-	1	3	489	-	1090	-	0.93	1	2	489	-	1090	-	0.93	-
11	-	-	-	-	-	-	-	2	7	430	35	790	141	0.99	4	6	411	31	723	119	1.04	-
12	4	14	426	37	808	242	1.03	1	3	422	-	820	-	1.09	7	11	416	30	756	195	1.03	20
13	4	14	429	30	850	188	1.07	7	23	497	76	1354	811	1.02	11	17	472	70	1171	686	1.04	64
14	5	17	414	48	774	255	1.06	5	17	456	31	986	206	1.03	10	15	435	44	880	245	1.05	50
15	1	3	490	-	1220	-	1.04	1	3	455	-	1050	-	1.11	2	3	473	25	1135	120	1.08	50
16	3	10	475	12	1203	178	1.12	2	7	450	28	975	92	1.07	6	9	471	24	1162	204	1.11	40
17	3	10	493	42	1167	281	0.97	1	3	439	-	920	-	1.09	4	6	479	44	1105	261	1.00	25
18	3	10	426	49	847	333	1.06	1	3	475	-	1000	-	0.93	4	6	438	47	885	282	1.03	25
19	-	-	-	-	-	-	-	2	7	458	18	930	141	0.97	2	3	458	18	930	141	0.97	-
21	1	3	520	-	1760	-	1.25	-	-	-	-	-	-	-	1	2	520	-	1760	-	1.25	-
22	1	3	450	-	900	-	0.99	-	-	-	-	-	-	-	1	2	450	-	900	-	0.99	-
25	-	-	-	-	-	-	-	3	10	540	130	1653	1212	0.94	3	5	540	130	1653	1212	0.94	-
27	2	7	673	251	3085	3274	0.76	-	-	-	-	-	-	-	2	3	673	251	3085	3274	0.76	-
28	-	-	-	-	-	-	-	1	3	670	-	3620	-	1.20	1	2	670	-	3620	-	1.20	-
30	1	3	725	-	4160	-	1.09	-	-	-	-	-	-	-	1	2	725	-	4160	-	1.09	-
31	-	-	-	-	-	-	-	1	3	835	-	7760	-	1.33	1	2	835	-	7760	-	1.33	-
TOTAL	29	101*						30	98*						65	103*						
MEAN			469	100	1209	1045	1.03			484	102	1394	1415	1.03			469	102	1246	1199	1.03	51
MEAN AGE	16.3							15.9							15.7							

* Percentages do not equal 100 due to rounding of numbers.

Table 26. Biological data by length interval for lake trout caught in 89, 114, and 140 mm mesh gillnets at Cli Lake, NT, in March 1996.

LENGTH	MALES					FEMALES					TOTAL					%
		Fork length (mm)	Round weight (g)				Fork length (mm)	Round weight (g)				Fork length (mm)	Round weight (g)			
INTERVAL (mm)	n	Mean	mean	SD	K	n	mean	mean	SD	K	n	mean	mean	SD	K	FEMALE
250-274	-	-	-	-	-	-	-	-	-	-	1	250	140	-	0.90	-
325-349	1	340	400	-	1.02	1	340	340	-	0.87	2	340	370	42	0.94	50
350-374	-	-	-	-	-	1	350	460	-	1.07	1	350	460	-	1.07	-
375-399	3	386	613	47	1.06	-	-	-	-	-	6	388	615	30	1.05	-
400-424	6	413	728	63	1.03	3	416	760	66	1.06	10	413	735	59	1.04	33
425-449	2	438	865	163	1.04	4	437	883	41	1.06	6	437	877	80	1.05	67
450-474	8	458	980	92	1.02	14	461	991	98	1.01	23	460	990	93	1.01	64
475-499	6	485	1170	204	1.03	5	487	1148	126	0.99	11	486	1160	165	1.01	45
500-524	2	520	1545	304	1.10	6	507	1220	147	0.94	10	508	1338	217	1.02	75
525-549	1	540	1430	-	0.91	1	525	1530	-	1.06	2	533	1480	71	0.98	50
550-574	3	555	1947	204	1.14	-	-	-	-	-	3	555	1947	204	1.14	-
650-674	-	-	-	-	-	2	665	3380	339	1.15	2	665	3380	339	1.15	-
675-699	-	-	-	-	-	1	690	3050	-	0.93	1	690	3050	-	0.93	-
725-749	1	725	4160	-	1.09	-	-	-	-	-	1	725	4160	-	1.09	-
825-849	-	-	-	-	-	1	835	7760	-	1.33	1	835	7760	-	1.33	-
850-874	1	850	5400	-	0.88	-	-	-	-	-	1	850	5400	-	0.88	-
TOTAL	34					39					81					
MEAN		478	1268	990	1.04		487	1350	1241	1.02		476	1265	1085	1.03	53

Table 27. Biological data by age class for lake whitefish caught in 89, 114, and 140 mm mesh gillnets at Cli Lake, NT, in March 1996.

AGE	MALES							FEMALES							TOTAL							%
			Fork length (mm)		Round weight (g)		K			Fork length (mm)		Round weight (g)		K			Fork length (mm)		Round weight (g)		K	
(y)	n	%	mean	SD	mean	SD		n	%	mean	SD	mean	SD		n	%	mean	SD	mean	SD		FEMALE
4	5	15	404	20	888	104	1.34	4	16	415	27	915	133	1.28	9	15	409	22	900	111	1.31	44
5	1	3	450	-	1270	-	1.39	2	8	642	16	1350	85	1.37	3	5	458	13	1323	76	1.38	67
6	14	42	485	16	1542	148	1.35	2	8	494	26	1655	191	1.38	17	27	486	16	1562	149	1.36	13
7	3	9	508	17	1773	276	1.34	5	20	508	24	1836	285	1.39	9	15	505	21	1764	285	1.36	63
8	3	9	509	16	1970	229	1.49	4	16	513	14	1845	83	1.37	8	13	512	13	1874	164	1.40	84
9	4	12	501	8	1793	82	1.43	3	12	507	19	1750	328	1.33	7	11	504	13	1774	199	1.39	43
10	1	3	502	-	1900	-	1.50	1	4	560	-	2380	-	1.36	2	3	531	41	2140	339	1.43	50
11	2	6	536	10	2165	276	1.40	3	12	544	8	2123	118	1.32	6	10	542	9	2148	147	1.35	60
16	-	-	-	-	-	-	-	1	4	609	-	2880	-	1.28	1	2	609	-	2880	-	1.28	-
TOTAL	33	99						25	100						62	101						
MEAN			482	39	1574	384	1.38			499	50	1724	498	1.34			491	44	1645	432	1.36	43
MEAN AGE	6.7							7.4							7.2							

Table 28. Biological data by length interval for lake whitefish caught in 89, 114, and 140 mm mesh gillnets at Cli Lake, NT, in March 1996.

LENGTH	MALES					FEMALES					TOTAL					%
INTERVAL		Fork length (mm)	Round weight (g)		K		Fork length (mm)	Round weight (g)		K		Fork length (mm)	Round weight (g)		K	FEMALE
(mm)	n	mean	mean	SD		n	mean	mean	SD		n	mean	mean	SD		
370-379	1	376	740	-	1.39	-	-	-	-	-	1	376	740	-	1.39	-
390-399	1	395	840	-	1.36	-	-	-	-	-	1	395	840	-	1.36	-
400-409	-	-	-	-	-	3	402	850	36	1.31	3	402	850	36	1.31	-
410-419	2	411	935	64	1.35	1	419	870	-	1.18	3	414	913	59	1.29	33
420-429	1	429	990	-	1.25	-	-	-	-	-	1	429	990	-	1.25	-
440-449	1	447	1330	-	1.49	-	-	-	-	-	1	447	1330	-	1.49	-
450-459	1	450	1270	-	1.39	2	453	1200	127	1.29	4	454	1183	115	1.27	67
460-469	-	-	-	-	-	1	460	1100	-	1.13	1	460	1100	-	1.13	-
470-479	3	474	1427	35	1.34	2	474	1465	78	1.38	5	474	1442	51	1.36	40
480-489	4	482	1570	141	1.40	2	487	1420	28	1.23	7	483	1500	134	1.33	33
490-499	5	493	1688	102	1.41	3	492	1417	359	1.19	9	493	1594	235	1.33	38
500-509	9	501	1701	164	1.35	6	503	1768	131	1.39	16	502	1723	147	1.36	40
510-519	2	510	1845	247	1.39	2	514	1795	7	1.33	4	512	1820	146	1.36	50
520-529	5	526	2060	75	1.42	3	523	1910	157	1.33	9	524	1970	157	1.37	38
530-539	2	534	2015	35	1.33	2	534	2130	99	1.40	4	534	2073	90	1.36	50
540-549	3	543	2150	246	1.34	2	547	2200	85	1.35	5	544	2170	181	1.35	40
550-559	-	-	-	-	-	5	553	2116	241	1.26	6	552	2128	217	1.27	-
560-569	2	562	2220	71	1.25	2	562	2360	28	1.33	4	562	2290	92	1.29	50
600-609	-	-	-	-	-	1	609	2880	-	1.28	1	609	2880	-	1.28	-
TOTAL	42					37					85					
MEAN		493	1673	398	1.37		504	1722	501	1.31		498	1689	441	1.33	47

Table 29. Biological data by age class for lake whitefish caught in 89, 114, and 140 mm mesh gillnets at Deep Lake, NT, in February 2000.

AGE (y)	TOTAL						
			Fork length (mm)		Round weight (g)		K
	n	%	mean	SD	mean	SD	
7	4	17	412	11	985	40	1.41
8	1	4	468		1440		1.40
9	2	8	405	52	930	523	1.32
10	4	17	468	7	1485	164	1.45
11	1	4	460		1290		1.33
12	3	13	449	8	1233	35	1.37
13	3	13	483	2	1527	122	1.35
14	3	13	463	14	1450	214	1.45
15	1	4	447		1140		1.28
16	1	4	435		1120		1.36
17	1	4	465		1510		1.50
TOTAL	24	101*					
MEAN			449	29	1286	267	1.40
MEAN AGE		11.3					

* Percentages do not equal 100 due to rounding of numbers.

Table 30. Biological data by length interval for lake whitefish caught in 89, 114, and 140 mm mesh gillnets at Deep Lake, NT, in February 2000.

LENGTH INTERVAL (mm)	TOTAL				
		Fork length (mm)	Round weight (g)		K
	n	mean	mean	SD	
320-329	1	327	400	-	1.14
350-359	1	351	550	-	1.27
360-369	1	368	560	-	1.12
390-399	1	399	950	-	1.50
400-409	1	408	960	-	1.41
410-419	1	414	1040	-	1.47
420-429	1	426	990	-	1.28
430-439	1	435	1120	-	1.36
440-449	3	443	1213	81	1.40
450-459	3	452	1293	78	1.40
460-469	7	463	1399	107	1.41
470-479	3	475	1623	115	1.51
480-489	3	483	1527	122	1.35
490-499	1	491	1760	-	1.49
TOTAL	28				
MEAN		444	1253	345	1.39

Table 31. Biological data by age class for lake cisco caught in 89, 102, 114, and 133 mm mesh gillnets at "Ekali" Lake, NT, December 1996.

AGE	TOTAL						
			Fork length (mm)		Round weight (g)		K
(y)	n	%	mean	SD	mean	SD	
5	2	2	316	11	525	7	1.67
6	8	9	320	12	510	88	1.54
7	18	19	321	13	529	68	1.59
8	13	14	336	14	586	46	1.56
9	23	24	343	17	657	113	1.62
10	14	15	354	16	679	112	1.52
11	8	9	352	16	693	114	1.57
12	4	4	358	12	710	22	1.56
13	4	4	366	13	743	64	1.51
TOTAL	94	100					
MEAN			339	20	620	113	1.57
MEAN AGE	8.8						

Table 32. Biological data by length interval for lake cisco caught in 89, 102, 114, and 133 mm mesh gillnets at "Ekali" Lake, NT, in December 1996.

LENGTH	TOTAL				
		Fork length (mm)	Round weight (g)		K
INTERVAL (mm)	n	mean	mean	SD	
280-289	1	288	370	-	1.55
300-309	3	303	493	110	1.78
310-319	10	315	483	33	1.55
320-329	19	324	552	41	1.62
330-339	15	334	584	35	1.57
340-349	15	344	635	28	1.56
350-359	13	353	688	91	1.56
360-369	13	364	736	81	1.53
370-379	1	377	820	-	1.53
380-389	4	383	865	33	1.55
TOTAL	94				
MEAN		339	620	113	1.57

Table 33. Biological data by age class for lake whitefish caught in 89, 102, 114, and 133 mm mesh gillnets at "Ekali" Lake, NT, in December 1996.

AGE	MALES							FEMALES							TOTAL							%
(y)			Fork length (mm)		Round weight (g)		K			Fork length (mm)		Round weight (g)		K			Fork length (mm)		Round weight (g)		K	FEMALE
	n	%	mean	SD	mean	SD		n	%	mean	SD	mean	SD		n	%	mean	SD	mean	SD		
4	1	13	429	-	1140	-	1.44	2	14	417	48	1130	354	1.54	3	12	421	35	1133	250	1.50	67
5	3	38	431	42	1380	495	1.66	3	21	410	25	1110	252	1.59	8	31	427	42	1323	508	1.62	50
6	-	-	-	-	-	-	-	2	14	441	69	1220	495	1.39	2	8	441	69	1220	495	1.39	-
8	2	25	513	8	2250	71	1.67	2	14	442	88	1505	841	1.66	5	19	478	57	1892	564	1.68	50
9	1	13	534	-	2620	-	1.72	1	7	546	-	2310	-	1.42	2	8	540	8	2465	219	1.57	50
12	-	-	-	-	-	-	-	1	7	535	-	2460	-	1.61	1	4	535	-	2460	-	1.61	-
13	1	13	560	-	2880	-	1.64	2	14	540	11	2535	78	1.61	3	12	547	14	2650	207	1.62	67
14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	4	597	-	3420	-	1.61	-
17	-	-	-	-	-	-	-	1	7	614	-	3470	-	1.50	1	4	614	-	3470	-	1.50	-
TOTAL	8	102						14	98						26	102						
MEAN			480	60	1910	718	1.64			472	77	1739	827	1.55			478	70	1850	807	1.59	64
MEAN AGE	7.1							8.2							7.8							

Table 34. Biological data by length interval for lake whitefish caught in 89, 102, 114, and 133 mm mesh gillnets at "Ekali" Lake, NT, in December 1996.

LENGTH	MALES					FEMALES					TOTAL					%
INTERVAL		Fork length (mm)	Round weight (g)		K		Fork length (mm)	Round weight (g)		K		Fork length (mm)	Round weight (g)		K	FEMALE
(mm)	n	mean	mean	SD		n	mean	mean	SD		n	mean	mean	SD		
370-379	-	-	-	-	-	1	379	910	-	1.67	1	379	910	-	1.67	-
380-389	1	386	890	-	1.55	2	384	860	28	1.52	3	385	870	26	1.53	67
390-399	-	-	-	-	-	1	392	870	-	1.44	2	392	870	-	1.44	-
410-419	-	-	-	-	-	1	411	1150	-	1.66	1	411	1150	-	1.66	-
420-429	1	429	1140	-	1.44	-	-	-	-	-	1	429	1140	-	1.44	-
430-439	1	438	1370	-	1.63	1	435	1340	-	1.63	2	437	1355	21	1.63	50
450-459	-	-	-	-	-	1	451	1380	-	1.50	1	451	1380	-	1.50	-
470-479	1	470	1880	-	1.81	-	-	-	-	-	1	470	1880	-	1.81	-
480-489	-	-	-	-	-	1	489	1570	-	1.34	2	485	1760	269	1.55	-
500-509	1	507	2200	-	1.69	1	504	2100	-	1.64	3	504	2180	72	1.71	50
510-519	1	518	2300	-	1.65	-	-	-	-	-	1	518	2300	-	1.65	-
530-539	1	534	2620	-	1.72	2	534	2470	14	1.63	3	534	2520	87	1.66	67
540-549	-	-	-	-	-	2	547	2450	198	1.50	2	547	2450	198	1.50	-
560-569	1	560	2880	-	1.64	-	-	-	-	-	1	560	2880	-	1.64	-
590-599	-	-	-	-	-	-	-	-	-	-	1	597	3420	-	1.61	-
610-619	-	-	-	-	-	1	614	3470	-	1.50	1	614	3470	-	1.50	-
TOTAL	8					14					26					
MEAN		480	1910	718	1.64		472	1739	827	1.55		478	1850	807	1.59	64

Table 35. Biological data by age class for lake whitefish caught in 114 and 133 mm mesh gillnets at "Gargon" Lake, NT, in December 1996.

AGE	MALES							FEMALES							TOTAL							%
(y)			Fork length (mm)		Round weight (g)		K			Fork length (mm)		Round weight (g)		K			Fork length (mm)		Round weight (g)		K	FEMALE
	n	%	mean	SD	mean	SD		n	%	mean	SD	mean	SD		n	%	mean	SD	mean	SD		
3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	4	348	-	650	-	1.54	-
4	3	27	432	47	1357	351	1.66	1	33	463	-	1870	-	1.88	7	26	448	32	1561	291	1.72	25
5	2	18	481	4	2080	141	1.87	-	-	-	-	-	-	-	4	15	455	51	1750	519	1.82	-
6	1	9	468	-	2050	-	2.00	-	-	-	-	-	-	-	1	4	468	-	2050	-	2.00	-
7	1	9	488	-	2090	-	1.80	-	-	-	-	-	-	-	1	4	488	-	2090	-	1.80	-
8	1	9	531	-	2300	-	1.54	1	33	513	-	2010	-	1.49	3	11	505	30	2140	147	1.68	50
9	1	9	513	-	2180	-	1.61	1	33	533	-	2490	-	1.64	4	15	524	16	2485	215	1.73	50
10	1	9	533	-	2470	-	1.63	-	-	-	-	-	-	-	2	7	529	6	2420	71	1.64	-
12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	7	533	-	2740	57	1.81	-
13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	4	587	-	3490	-	1.73	-
16	1	9	556	-	3080	-	1.79	-	-	-	-	-	-	-	1	4	556	-	3080	-	1.79	-
TOTAL	11	99*						3	99*						27	101*						
MEAN			486	48	2036	550	1.74			503	36	2123	325	1.67			487	56	2073	639	1.74	21
MEAN AGE	7.1							7.0							7.3							

* Percentages do not equal 100 due to rounding of numbers.

Table 36. Biological data by length interval for lake whitefish caught in 114 and 133 mm mesh gillnets at "Gargon" Lake, NT, in December 1996.

LENGTH	MALES					FEMALES					TOTAL					%
		Fork length (mm)	Round weight (g)		K		Fork length (mm)	Round weight (g)		K		Fork length (mm)	Round weight (g)		K	
INTERVAL (mm)	n	mean	mean	SD		n	mean	mean	SD		n	mean	mean	SD		FEMALE
340-349	-	-	-	-	-	-	-	-	-	-	1	348	650	-	1.54	-
370-379	-	-	-	-	-	-	-	-	-	-	1	378	1000	-	1.85	-
380-389	1	380	990	-	1.80	-	-	-	-	-	1	380	990	-	1.80	-
440-449	1	446	1390	-	1.57	-	-	-	-	-	2	448	1540	212	1.72	-
450-459	-	-	-	-	-	-	-	-	-	-	1	451	1580	-	1.72	-
460-469	1	468	2050	-	2.00	1	463	1870	-	1.88	2	466	1960	127	1.94	50
470-479	2	475	1835	205	1.72	-	-	-	-	-	4	475	1875	204	1.76	-
480-489	2	486	2135	64	1.87	-	-	-	-	-	3	484	2037	176	1.80	-
500-509	-	-	-	-	-	-	-	-	-	-	1	509	2650	-	2.01	-
510-519	1	513	2180	-	1.61	1	513	2010	-	1.49	2	513	2095	120	1.55	50
520-529	-	-	-	-	-	-	-	-	-	-	1	524	2370	-	1.65	-
530-539	2	532	2385	120	1.58	1	533	2490	-	1.64	5	533	2548	192	1.69	33
540-549	-	-	-	-	-	-	-	-	-	-	1	542	2620	-	1.65	-
550-559	1	556	3080	-	1.79	-	-	-	-	-	1	556	3080	-	1.79	-
580-589	-	-	-	-	-	-	-	-	-	-	1	587	3490	-	1.73	-
TOTAL	11					3					27					
MEAN		486	2036	550	1.74		503	2123	325	1.67		487	2073	639	1.74	21

Table 37. Biological data by age class for lake whitefish caught in 89, 114, and 140 mm mesh gillnets at Little Doctor Lake, NT, in December 1996.

AGE	MALES							FEMALES							TOTAL							%
(y)			Fork length (mm)		Round weight (g)		K			Fork length (mm)		Round weight (g)		K			Fork length (mm)		Round weight (g)		K	FEMALE
	n	%	mean	SD	mean	SD		n	%	mean	SD	mean	SD		n	%	mean	SD	mean	SD		
5	2	13	320	21	430	99	1.31	-	-	-	-	-	-	-	2	6	320	21	430	99	1.31	-
6	2	13	310	8	375	49	1.25	-	-	-	-	-	-	-	2	6	310	8	375	49	1.25	-
7	1	7	365	-	650	-	1.34	2	12	372	11	635	134	1.23	3	9	369	8	640	95	1.27	67
8	1	7	365	-	630	-	1.30	-	-	-	-	-	-	-	1	3	365	-	630	-	1.30	-
9	-	-	-	-	-	-	-	3	18	387	17	760	56	1.32	3	9	387	17	760	56	1.32	-
10	4	27	405	19	900	85	1.36	4	24	401	17	845	163	1.30	8	25	403	17	873	124	1.33	50
11	4	27	404	22	930	164	1.41	3	18	425	2	940	30	1.23	7	22	413	19	934	117	1.33	43
12	-	-	-	-	-	-	-	1	6	432	-	1090	-	1.35	1	3	432	-	1090	-	1.35	-
13	-	-	-	-	-	-	-	1	6	450	-	1340	-	1.47	1	3	450	-	1340	-	1.47	-
14	1	7	410	-	950	-	1.38	2	12	427	42	1170	226	1.50	3	9	421	32	1097	204	1.46	67
16	-	-	-	-	-	-	-	1	6	426	-	900	-	1.16	1	3	426	-	900	-	1.16	-
TOTAL	15	101*						17	102*						32	98*						
MEAN			376	43	744	251	1.35			408	27	907	216	1.31			393	39	831	244	1.33	53
MEAN AGE	9.0							10.8							9.9							

* Percentages do not equal 100 due to rounding of numbers.

Table 38. Biological data by length interval for lake whitefish caught in 89, 114, and 140 mm mesh gillnets at Little Doctor Lake, NT, in December 1996.

LENGTH	MALES					FEMALES					TOTAL					%
INTERVAL		Fork length (mm)	Round weight (g)		K		Fork length (mm)	Round weight (g)		K		Fork length (mm)	Round weight (g)		K	FEMALE
(mm)	n	mean	mean	SD		n	mean	mean	SD		n	mean	mean	SD		
300-309	2	305	350	14	1.24	-	-	-	-	-	2	305	350	14	1.24	-
310-319	1	316	410	-	1.30	-	-	-	-	-	1	316	410	-	1.30	-
330-339	1	334	500	-	1.34	-	-	-	-	-	1	334	500	-	1.34	-
360-369	2	365	640	14	1.32	1	364	540	-	1.12	3	365	607	59	1.25	33
370-379	-	-	-	-	-	2	377	715	21	1.34	2	377	715	21	1.34	-
380-389	1	387	800	-	1.38	2	383	740	42	1.32	3	384	760	46	1.34	67
390-399	4	394	853	36	1.39	2	394	875	191	1.43	6	394	860	91	1.41	33
400-409	1	403	960	-	1.47	4	405	863	38	1.30	5	405	882	54	1.33	80
410-419	1	410	950	-	1.38	2	410	970	-	1.41	3	410	963	12	1.40	67
420-429	1	428	1100	-	1.40	5	425	958	68	1.25	6	425	982	84	1.28	83
430-439	2	434	1075	134	1.31	1	432	1090	-	1.35	3	433	1080	95	1.33	33
450-459	-	-	-	-	-	2	454	1335	7	1.43	2	454	1335	7	1.43	-
460-469	1	461	1330	-	1.36	-	-	-	-	-	1	461	1330	-	1.36	-
530-539	1	536	2030	-	1.32	-	-	-	-	-	1	536	2030	-	1.32	-
TOTAL	18					21					39					
MEAN		392	868	401	1.35		408	911	194	1.32		401	891	304	1.33	54

Table 39. Biological data by age class for yellow walleye caught in 89, 114, and 140 mm mesh gillnets at Little Doctor Lake, NT, in December 1996.

AGE	MALES							FEMALES							TOTAL							%
(y)			Fork length (mm)		Round weight (g)		K			Fork length (mm)		Round weight (g)		K			Fork length (mm)		Round weight (g)		K	FEMALE
	n	%	mean	SD	mean	SD		n	%	mean	SD	mean	SD		n	%	mean	SD	mean	SD		
6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	3	348	-	450	-	1.07	-
7	3	19	353	33	550	140	1.24	-	-	-	-	-	-	-	3	8	353	33	550	140	1.24	-
9	-	-	-	-	-	-	-	2	11	440	8	1185	120	1.39	2	6	440	8	1185	120	1.39	-
11	1	6	400	-	790	-	1.23	3	17	474	32	1360	239	1.27	4	11	455	45	1218	345	1.26	75
12	1	6	460	-	1170	-	1.20	1	6	525	-	1840	-	1.27	2	6	493	46	1505	474	1.24	50
13	4	25	446	15	1050	61	1.18	3	17	494	51	1557	415	1.27	7	19	467	40	1267	364	1.22	43
14	5	31	455	22	1182	120	1.25	4	22	522	24	1798	225	1.26	9	25	485	41	1456	363	1.26	44
15	1	6	464	-	1260	-	1.26	3	17	512	22	1760	383	1.30	5	14	503	27	1646	348	1.28	75
16	1	6	475	-	1140	-	1.06	1	6	523	-	1780	-	1.24	2	6	499	34	1460	453	1.15	50
19	-	-	-	-	-	-	-	1	6	544	-	1900	-	1.18	1	3	544	-	1900	-	1.18	-
TOTAL	16	99*						18	102*						36	101*						
MEAN			432	46	1008	265	1.22			500	38	1617	330	1.28			466	57	1316	445	1.24	53
MEAN AGE	12.3							13.2							12.7							

* Percentages do not equal 100 due to rounding of numbers.

Table 40. Biological data by length interval for yellow walleye caught in 89, 114, and 140 mm mesh gillnets at Little Doctor Lake, NT, in December 1996.

LENGTH	MALES					FEMALES					TOTAL					%
INTERVAL		Fork length (mm)	Round weight (g)		K		Fork length (mm)	Round weight (g)		K		Fork length (mm)	Round weight (g)		K	FEMALE
(mm)	n	mean	mean	SD		n	mean	mean	SD		n	mean	mean	SD		
320-329	1	320	410	-	1.25	-	-	-	-	-	1	320	410	-	1.25	-
340-349	-	-	-	-	-	-	-	-	-	-	1	348	450	-	1.07	-
350-359	1	353	550	-	1.25	-	-	-	-	-	1	353	550	-	1.25	-
360-369	1	367	560	-	1.13	-	-	-	-	-	1	367	560	-	1.13	-
380-389	1	385	690	-	1.21	-	-	-	-	-	1	385	690	-	1.21	-
400-409	1	400	790	-	1.23	-	-	-	-	-	1	400	790	-	1.23	-
430-439	4	437	1060	56	1.27	2	435	1090	14	1.32	6	437	1070	46	1.29	33
440-449	1	443	1030	-	1.18	2	443	1210	85	1.39	3	443	1150	120	1.32	67
450-459	2	456	1165	92	1.23	-	-	-	-	-	2	456	1165	92	1.23	-
460-469	3	464	1190	62	1.19	-	-	-	-	-	3	464	1190	62	1.19	-
470-479	1	475	1140	-	1.06	1	476	1310	-	1.21	2	476	1225	120	1.14	50
480-489	-	-	-	-	-	1	486	1320	-	1.15	1	486	1320	-	1.15	-
490-499	1	491	1370	-	1.16	-	-	-	-	-	1	491	1370	-	1.16	-
500-509	-	-	-	-	-	3	503	1637	86	1.29	3	503	1637	86	1.29	-
510-519	-	-	-	-	-	1	516	1750	-	1.27	2	516	1720	42	1.25	-
520-529	-	-	-	-	-	4	524	1895	106	1.32	4	524	1895	106	1.32	-
530-539	-	-	-	-	-	2	531	1820	28	1.22	2	531	1820	28	1.22	-
540-549	-	-	-	-	-	1	544	1900	-	1.18	1	544	1900	-	1.18	-
550-559	-	-	-	-	-	1	552	2100	-	1.25	1	552	2100	-	1.25	-
TOTAL	17					18					37					
MEAN		429	981	278	1.21		500	1617	330	1.28		463	1295	456	1.24	51

Table 41. Biological data by length interval for cisco caught in 89, 114, and 140 mm mesh gillnets at "McEwan" Lake, NT, in January 2000.

LENGTH INTERVAL (mm)	TOTAL n	Fork length (mm) Mean	Round weight (g) Mean	Round weight (g) SD	K
160-169	3	168	50	-	1.05
170-179	11	176	65	5	1.20
180-189	6	183	72	8	1.16
190-199	6	195	83	5	1.13
200-209	4	205	90	8	1.04
210-219	3	215	90	-	0.91
260-269	1	266	230	-	1.22
280-289	1	285	300	-	1.30
290-299	1	299	340	-	1.27
300-309	1	300	350	-	1.30
TOTAL	36				
MEAN		197	99	77	1.14

Table 42. Biological data by age class for lake whitefish caught in 89, 114, and 140 mm mesh gillnets at "McEwan" Lake, NT, in January 2000.

AGE (y)	TOTAL n	%	Fork length (mm) Mean	Fork length (mm) SD	Round weight (g) Mean	Round weight (g) SD	K
4	3	3	358	29	687	186	1.47
5	5	5	359	32	636	171	1.34
6	7	6	375	24	760	154	1.43
7	12	11	393	30	869	223	1.40
8	10	9	397	46	936	353	1.44
9	22	20	419	48	1098	458	1.41
10	6	6	422	52	1198	469	1.51
11	11	10	451	48	1443	499	1.50
12	3	3	481	31	1583	313	1.41
13	5	5	475	59	1728	573	1.57
14	2	2	518	11	2200	99	1.58
15	2	2	457	47	1495	403	1.55
16	2	2	483	53	1815	658	1.58
17	3	3	538	12	2387	245	1.53
18	3	3	517	13	2037	40	1.48
19	2	2	550	21	2605	332	1.56
20	2	2	556	14	3075	163	1.79
21	3	3	536	29	2367	460	1.53
22	1	1	538	-	2470	-	1.59
23	2	2	593	10	3050	113	1.47
24	1	1	568	-	3320	-	1.81
26	1	1	561	-	2640	-	1.50
28	1	1	564	-	2930	-	1.63
TOTAL	109	103*					
MEAN			441	71	1387	744	1.47
MEAN AGE		11.1					

* Percentages do not equal 100 due to rounding of numbers.

Table 43. Biological data by length interval for lake whitefish caught in 89, 114, and 140 mm mesh gillnets at "McEwan" Lake, NT, in January 2000.

LENGTH INTERVAL (mm)	TOTAL n	Fork length (mm) Mean	Round weight (g) Mean	Round weight (g) SD	K
300-309	1	306	370	-	1.29
320-329	1	328	490	-	1.39
330-339	1	334	430	-	1.15
340-349	4	343	530	32	1.31
350-359	4	354	618	60	1.39
360-369	11	363	662	32	1.38
370-379	9	375	726	69	1.37
380-389	9	385	797	56	1.40
390-399	8	394	834	151	1.36
400-409	4	404	995	62	1.51
410-419	4	416	1075	72	1.49
420-429	9	425	1116	90	1.45
430-439	5	433	1246	88	1.53
440-449	6	445	1303	124	1.48
450-459	6	456	1392	76	1.47
460-469	3	464	1507	186	1.51
470-479	2	477	1675	120	1.54
480-489	2	485	1890	127	1.66
490-499	3	493	1870	79	1.56
500-509	7	506	1953	113	1.51
510-519	7	514	2076	156	1.53
520-529	2	523	2275	7	1.59
530-539	8	534	2325	154	1.53
540-549	3	544	2577	355	1.60
550-559	1	552	2670	-	1.59
560-569	6	565	2935	272	1.63
570-579	1	571	3040	-	1.63
580-589	2	585	3245	163	1.62
600-609	1	600	2970	-	1.38
TOTAL	130				
MEAN		443	1411	761	1.47

Table 44. Biological data by age class for lake whitefish caught in 89, 114, and 140 mm mesh gillnets at McGill Lake, NT, in February 2000.

AGE (y)	TOTAL n	%	Fork length (mm) Mean	Fork length (mm) SD	Round weight (g) Mean	Round weight (g) SD	K
4	3	10	353	49	663	350	1.41
5	6	21	363	10	677	76	1.41
6	12	41	384	46	867	347	1.45
7	1	3	425	-	1150	-	1.50
8	3	10	429	7	1197	154	1.51
9	1	3	369	-	610	-	1.21
10	1	3	372	-	780	-	1.52
13	1	3	502	-	2120	-	1.68
17	1	3	577	-	3100	-	1.61
TOTAL	29	97*					
MEAN			392	57	959	560	1.45
MEAN AGE		6.7					

* Percentages do not equal 100 due to rounding of numbers.

Table 45. Biological data by length interval for lake whitefish caught in 89, 114, and 140 mm mesh gillnets at McGill Lake, NT, in February 2000.

LENGTH INTERVAL (mm)	TOTAL				
		Fork length (mm)	Round weight (g)		K
	n	Mean	Mean	SD	
300-309	1	305	340	-	1.20
310-319	1	315	400	-	1.28
320-329	1	328	470	-	1.33
330-339	2	337	540	14	1.42
350-359	2	354	615	35	1.39
360-369	5	365	652	64	1.35
370-379	2	372	770	14	1.50
380-389	3	381	800	62	1.45
400-409	2	407	1075	21	1.59
410-419	1	414	1040	-	1.47
420-429	4	425	1163	115	1.52
430-439	1	437	1270	-	1.52
440-449	2	446	1375	21	1.55
500-509	1	502	2120	-	1.68
570-579	1	577	3100	-	1.61
TOTAL	29				
MEAN		392	959	560	1.45

Table 46. Biological data by age class for northern pike caught in 89, 114, and 140 mm mesh gillnets at McGill Lake, NT, in February 2000.

AGE (y)	TOTAL						
			Fork length (mm)		Round weight (g)		K
	n	%	Mean	SD	Mean	SD	
4	3	11	470	23	780	111	0.75
5	6	21	466	65	680	256	0.64
6	5	18	483	27	760	64	0.68
7	4	14	561	124	1420	1114	0.71
8	3	11	526	38	1053	215	0.72
10	1	4	880	-	5880	-	0.86
11	2	7	657	216	2670	2630	0.74
15	1	4	903	-	6290	-	0.85
19	1	4	728	-	2930	-	0.76
20	1	4	968	-	7610	-	0.84
28	1	4	928	-	6250	-	0.78
TOTAL	28	102*					
MEAN			577	171	1906	2128	0.72
MEAN AGE	8.5						

* Percentages do not equal 100 due to rounding of numbers.

Table 47. Biological data by length interval for northern pike caught in 89, 114, and 140 mm mesh gillnets at McGill Lake, NT, in February 2000.

LENGTH INTERVAL (mm)	TOTAL				
		Fork length (mm)	Round weight (g)		K
	n	Mean	Mean	SD	
340-359	1	358	250	-	0.54
440-459	3	446	653	40	0.73
460-479	4	470	790	69	0.76
480-499	6	488	797	94	0.68
500-519	4	512	880	57	0.66
520-539	1	525	790	-	0.55
540-559	1	555	1020	-	0.60
560-579	1	569	1300	-	0.71
720-739	1	728	2930	-	0.76
740-759	1	744	3090	-	0.75
800-819	1	810	4530	-	0.85
880-899	1	880	5880	-	0.86
900-919	1	903	6290	-	0.85
920-939	1	928	6250	-	0.78
960-979	1	968	7610	-	0.84
TOTALS	28				
MEAN		577	1906	2128	0.72

Table 48. Biological data by age class for yellow walleye caught in 89, 114, and 140 mm mesh gillnets at McGill Lake, NT, in February 2000.

AGE (y)	TOTAL						
			Fork length (mm)		Round weight (g)		K
	n	%	Mean	SD	Mean	SD	
4	2	9	374	1	605	7	1.16
9	5	23	450	33	1116	219	1.21
10	5	23	473	24	1318	233	1.24
11	1	5	533	-	2020	-	1.33
14	2	9	453	8	1080	85	1.16
15	1	5	464	-	1090	-	1.09
17	1	5	496	-	1520	-	1.25
18	2	9	497	49	1305	346	1.05
19	1	5	545	-	2120	-	1.31
22	1	5	599	-	2730	-	1.27
25	1	5	668	-	3800	-	1.27
TOTAL	22	103*					
MEAN			480	67	1429	723	1.21
MEAN AGE	12.5						

* Percentages do not equal 100 due to rounding of numbers.

Table 49. Biological data by length interval for yellow walleye caught in 89, 114, and 140 mm mesh gillnets at McGill Lake, NT, in February 2000.

LENGTH INTERVAL (mm)	TOTAL				
		Fork length (mm)	Round weight (g)		K
	n	Mean	Mean	SD	
370-379	2	374	605	7	1.16
400-409	1	408	840	-	1.24
420-409	1	422	920	-	1.22
440-449	1	447	1020	-	1.14
450-459	2	456	1275	191	1.35
460-469	4	464	1130	79	1.13
470-479	4	473	1238	79	1.17
490-499	1	496	1520	-	1.25
510-519	1	514	1680	-	1.24
530-539	2	533	1785	332	1.18
540-549	1	545	2120	-	1.31
590-599	1	599	2730	-	1.27
660-669	1	668	3800	-	1.27
TOTAL	22				
MEAN		480	1429	723	1.21

Table 50. Biological data by age class for lake whitefish caught in 89, 114, and 140 mm mesh gillnets at "Reade" Lake, NT, in January 2000.

AGE (y)	TOTAL						
			Fork length (mm)		Round weight (g)		K
	n	%	Mean	SD	Mean	SD	
2	2	2	248	13	210	42	1.37
3	18	15	335	28	552	147	1.44
4	56	47	373	19	763	133	1.46
5	14	12	406	32	1054	266	1.54
6	12	10	424	26	1204	262	1.56
7	6	5	435	39	1323	336	1.57
8	6	5	477	30	1667	313	1.52
9	3	3	492	30	2120	599	1.75
10	1	1	505	-	1920	-	1.49
24	1	1	565	-	2850	-	1.58
TOTAL	119	101*					
MEAN			388	53	936	453	1.49
MEAN AGE		4.8					

* Percentages do not equal 100 due to rounding of numbers.

Table 51. Biological data by length interval for lake whitefish caught in 89, 114, and 140 mm mesh gillnets at "Reade" Lake, NT, in January 2000.

LENGTH INTERVAL (mm)	TOTAL n	Fork length (mm) Mean	Round weight (g) Mean	Round weight (g) SD	K
230-239	1	238	180	-	1.34
250-259	1	257	240	-	1.41
290-299	1	298	390	-	1.47
300-309	2	306	385	35	1.34
310-319	3	311	443	42	1.47
320-329	4	324	498	31	1.47
330-339	3	332	510	17	1.39
340-349	3	346	583	40	1.41
350-359	9	353	642	29	1.46
360-369	21	365	718	41	1.48
370-379	13	373	752	39	1.44
380-389	18	384	842	48	1.49
390-399	4	396	868	26	1.40
400-409	3	401	930	36	1.44
410-419	8	413	1081	49	1.53
420-429	3	424	1173	29	1.54
430-439	7	432	1237	69	1.53
440-449	6	443	1407	71	1.61
450-459	2	454	1520	28	1.62
460-469	4	464	1573	59	1.58
470-479	3	473	1747	60	1.65
480-489	1	483	1790	-	1.59
500-509	2	505	1890	42	1.47
510-519	1	512	2020	-	1.51
520-529	1	526	2810	-	1.93
560-569	2	565	3045	276	1.69
TOTAL	126				
MEAN		390	957	487	1.50

Table 52. Biological data by age class for northern pike caught in 89, 114, and 140 mm mesh gillnets at "Reade" Lake, NT, in January 2000.

AGE (y)	TOTAL n	%	Fork length (mm) Mean	Fork length (mm) SD	Round weight (g) Mean	Round weight (g) SD	K
3	6	14	454	34	653	138	0.69
4	13	30	494	26	854	138	0.70
5	8	18	566	58	1326	397	0.71
6	3	7	669	32	1990	376	0.66
7	2	5	683	18	2135	78	0.67
8	4	9	716	67	2633	589	0.72
9	3	7	737	79	2893	766	0.71
10	1	2	820	-	3960	-	0.72
11	2	5	740	36	2950	453	0.73
12	1	2	744	-	3030	-	0.74
13	1	2	854	-	4500	-	0.72
TOTAL	44	101*					
MEAN			591	124	1647	1048	0.70
MEAN AGE		5.9					

* Percentages do not equal 100 due to rounding of numbers.

Table 53. Biological data by length interval for northern pike caught in 89, 114, and 140 mm mesh gillnets at "Reade" Lake, NT, in January 2000.

LENGTH INTERVAL (mm)	TOTAL				
		Fork length (mm)	Round weight (g)		K
	n	Mean	Mean	SD	
400-419	2	412	485	92	0.69
440-459	2	454	665	21	0.71
460-479	5	467	714	18	0.70
480-499	6	488	827	45	0.71
500-519	6	506	900	43	0.69
520-539	1	524	1030	-	0.72
540-559	2	554	1205	7	0.71
580-599	2	591	1450	113	0.70
620-639	2	628	1700	198	0.69
640-659	2	652	1975	148	0.71
660-679	2	671	2270	269	0.75
680-699	5	689	2234	91	0.68
700-719	1	714	2630	-	0.72
740-759	2	746	3015	21	0.73
760-779	1	765	3270	-	0.73
800-819	2	813	3550	71	0.66
820-839	1	820	3960	-	0.72
840-859	1	854	4500	-	0.72
TOTAL	45				
MEAN		588	1625	1047	0.70

Table 54. Biological data by age class for lake whitefish caught in 89, 114, and 133 mm mesh gillnets at "Sanguez" Lake, NT, in December 1996.

AGE	MALES							FEMALES							TOTAL							%
(y)			Fork length (mm)		Round weight (g)		K			Fork length (mm)		Round weight (g)		K			Fork length (mm)		Round weight (g)		K	FEMALE
	n	%	mean	SD	mean	SD		n	%	mean	SD	mean	SD		n	%	mean	SD	mean	SD		
6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	4	425	-	1130	-	1.47	-
7	-	-	-	-	-	-	-	1	6	433	-	1110	-	1.37	2	7	438	7	1120	14	1.33	-
8	1	13	500	-	1960	-	1.57	-	-	-	-	-	-	-	1	4	500	-	1960	-	1.57	-
9	1	13	412	-	1220	-	1.74	3	19	508	8	2047	23	1.56	4	14	484	48	1840	414	1.61	75
10	-	-	-	-	-	-	-	5	31	514	14	1975	204	1.45	5	18	514	14	1975	204	1.45	-
11	2	25	486	21	1840	42	1.62	1	6	533	-	2250	-	1.49	4	14	500	26	1963	197	1.58	33
12	1	13	508	-	1910	-	1.46	4	25	511	21	2053	401	1.52	5	18	510	18	2024	353	1.51	80
13	-	-	-	-	-	-	-	1	6	475	-	1630	-	1.52	1	4	475	-	1630	-	1.52	-
16	1	13	497	-	1900	-	1.55	1	6	576	-	2880	-	1.51	2	7	537	56	2390	693	1.53	50
17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	4	531	-	2080	-	1.39	-
18	2	25	561	11	2443	378	1.38	-	-	-	-	-	-	-	2	7	561	11	2443	378	1.38	-
TOTAL	8	102*						16	99*						28	101*						
MEAN			501	48	1944	412	1.54			510	31	2006	403	1.49			502	39	1925	431	1.50	67
MEAN AGE	12.9							10.8							11.3							

* Percentages do not equal 100 due to rounding of numbers.

Table 55. Biological data by length interval for lake whitefish caught in 89, 114, and 133 mm mesh gillnets at "Sanguez" Lake, NT, in December 1996.

LENGTH INTERVAL (mm)	MALES n	MALES Fork length (mm) mean	MALES Round weight (g) mean	MALES Round weight (g) SD	MALES K	FEMALES n	FEMALES Fork length (mm) mean	FEMALES Round weight (g) mean	FEMALES Round weight (g) SD	FEMALES K	TOTAL n	TOTAL Fork length (mm) mean	TOTAL Round weight (g) mean	TOTAL Round weight (g) SD	TOTAL K	% FEMALE
410-419	1	412	1220	-	1.74	-	-	-	-	-	1	412	1220	-	1.74	-
420-429	-	-	-	-	-	-	-	-	-	-	1	425	1130	-	1.47	-
430-439	-	-	-	-	-	1	433	1110	-	1.37	1	433	1110	-	1.37	-
440-449	-	-	-	-	-	-	-	-	-	-	1	443	1130	-	1.30	-
470-479	1	471	1870	-	1.79	1	475	1630	-	1.52	2	473	1750	170	1.66	50
480-489	-	-	-	-	-	1	488	1660	-	1.43	1	488	1660	-	1.43	-
490-499	1	497	1900	-	1.55	1	490	1680	-	1.43	3	494	1833	133	1.52	50
500-509	3	503	1893	76	1.49	3	504	1957	146	1.53	6	503	1925	110	1.51	50
510-519	-	-	-	-	-	4	516	2063	139	1.51	4	516	2063	139	1.51	-
520-529	-	-	-	-	-	2	525	2118	152	1.47	2	525	2118	152	1.47	-
530-539	1	530	2100	-	1.41	3	535	2410	144	1.57	5	533	2282	203	1.50	75
540-549	1	545	2280	-	1.41	-	-	-	-	-	1	545	2280	-	1.41	-
550-559	1	553	2175	-	1.29	-	-	-	-	-	1	553	2175	-	1.29	-
560-569	1	568	2710	-	1.48	-	-	-	-	-	1	568	2710	-	1.48	-
570-579	-	-	-	-	-	1	576	2880	-	1.51	1	576	2880	-	1.51	-
TOTAL	10					17					31					
MEAN		508	1994	381	1.51		511	2032	405	1.50		505	1959	425	1.50	63

Table 56. Biological data by age class for northern pike caught in 89, 114, and 140 mm mesh gillnets at "Sanguez" Lake, NT, in December 1996.

AGE	MALES							FEMALES							TOTAL							%
(y)			Fork length (mm)		Round weight (g)		K			Fork length (mm)		Round weight (g)		K			Fork length (mm)		Round weight (g)		K	FEMALE
	n	%	mean	SD	mean	SD		n	%	mean	SD	mean	SD		n	%	mean	SD	mean	SD		
6	2	15	523	16	1030	127	0.72	2	6	649	16	2265	559	0.82	4	9	586	74	1648	786	0.77	50
7	1	8	616	-	2110	-	0.90	7	21	636	49	1999	647	0.76	8	17	634	46	2013	600	0.78	88
8	1	8	668	-	2330	-	0.78	2	6	647	31	2095	262	0.77	3	6	654	25	2173	229	0.78	67
9	1	8	603	-	1910	-	0.87	6	18	687	53	2583	638	0.79	7	15	675	58	2487	635	0.80	86
10	2	15	620	59	1920	707	0.79	3	9	692	77	2703	870	0.80	5	11	663	73	2390	829	0.80	60
11	3	23	685	32	2673	488	0.82	5	15	701	39	2750	644	0.79	9	19	708	51	2900	746	0.80	63
12	2	15	686	1	2625	262	0.81	5	15	760	75	3284	978	0.73	7	15	739	71	3096	868	0.76	71
13	-	-	-	-	-	-	-	1	3	877	-	4730	-	0.70	1	2	877	-	4730	-	0.70	-
14	1	8	688	-	2910	-	0.89	2	6	721	37	2750	396	0.73	3	6	710	32	2803	295	0.79	67
TOTAL	13	100						33	99*						47	100						
MEAN			637	64	2187	683	0.81			693	71	2628	836	0.77			680	75	2542	848	0.78	72
MEAN AGE	9.8							9.6							9.7							

* Percentages do not equal 100 due to rounding of numbers.

Table 57. Biological data by length interval for northern pike caught in 89, 114, and 140 mm mesh gillnets at "Sanguez" Lake, NT, in December 1996.

LENGTH	MALES					FEMALES					TOTAL					%
INTERVAL		Fork length (mm)	Round weight (g)		K		Fork length (mm)	Round weight (g)		K		Fork length (mm)	Round weight (g)		K	FEMALE
(mm)	n	mean	mean	SD		n	mean	mean	SD		n	mean	mean	SD		
510-519	1	511	940	-	0.70	-	-	-	-	-	1	511	940	-	0.70	-
530-539	1	534	1120	-	0.74	-	-	-	-	-	1	534	1120	-	0.74	-
570-579	1	578	1420	-	0.74	1	576	1490	-	0.78	2	577	1455	49	0.76	50
590-599	-	-	-	-	-	1	594	1440	-	0.69	1	594	1440	-	0.69	-
600-609	1	603	1910	-	0.87	1	601	1570	-	0.72	2	602	1740	240	0.80	50
610-619	1	616	2110	-	0.90	1	618	1780	-	0.75	2	617	1945	233	0.83	50
620-629	-	-	-	-	-	2	626	1865	64	0.76	2	626	1865	64	0.76	-
630-639	-	-	-	-	-	2	635	1985	163	0.78	2	635	1985	163	0.78	-
640-649	-	-	-	-	-	1	646	2060	-	0.76	1	646	2060	-	0.76	-
660-669	4	666	2385	72	0.81	7	666	2370	217	0.80	11	666	2375	173	0.81	64
670-679	-	-	-	-	-	2	676	2495	177	0.81	2	676	2495	177	0.81	-
680-689	3	686	2720	248	0.84	-	-	-	-	-	3	686	2720	248	0.84	-
690-699	-	-	-	-	-	3	696	2473	125	0.73	3	696	2473	125	0.73	-
700-709	-	-	-	-	-	1	703	2840	-	0.82	1	703	2840	-	0.82	-
710-719	-	-	-	-	-	1	718	2490	-	0.67	1	718	2490	-	0.67	-
720-729	1	722	3230	-	0.86	1	723	3360	-	0.89	2	723	3295	92	0.87	50
730-739	-	-	-	-	-	1	736	2600	-	0.65	1	736	2600	-	0.65	-
740-749	-	-	-	-	-	1	747	3030	-	0.73	1	747	3030	-	0.73	-
760-769	-	-	-	-	-	3	763	3463	447	0.78	3	763	3463	447	0.78	-
770-779	-	-	-	-	-	2	776	3770	99	0.81	2	776	3770	99	0.81	-
810-819	-	-	-	-	-	-	-	-	-	-	1	812	4330	-	0.81	-
860-869	-	-	-	-	-	1	869	4700	-	0.72	1	869	4700	-	0.72	-
870-879	-	-	-	-	-	1	877	4730	-	0.70	1	877	4730	-	0.70	-
TOTAL	13					33					47					
MEAN		637	2187	683	0.81		693	2628	836	0.77		680	2542	848	0.78	72

Table 58. Biological data by age class for yellow walleye caught in 89, 114, and 140 mm mesh gillnets at "Sanguez" Lake, NT, in March 1996.

AGE	MALES							FEMALES							TOTAL							%
(y)			Fork length (mm)		Round weight (g)		K			Fork length (mm)		Round weight (g)		K			Fork length (mm)		Round weight (g)		K	FEMALE
	n	%	mean	SD	mean	SD		n	%	mean	SD	mean	SD		n	%	mean	SD	mean	SD		
7	4	12	409	17	818	71	1.20	1	7	444	-	1130	-	1.29	5	10	416	21	880	153	1.22	20
8	1	3	373	-	730	-	1.41	2	13	483	14	1380	71	1.23	4	8	438	55	1095	338	1.28	67
9	7	21	419	20	920	183	1.24	3	20	467	30	1362	363	1.31	10	20	434	31	1053	312	1.26	30
10	14	41	427	22	939	164	1.19	3	20	492	51	1667	542	1.37	17	34	439	37	1068	374	1.22	18
11	2	6	412	2	855	7	1.23	3	20	493	18	1502	162	1.25	5	10	460	46	1243	372	1.24	60
12	2	6	443	11	1025	92	1.18	1	7	459	-	1200	-	1.24	3	6	448	12	1083	120	1.20	33
13	3	9	461	10	1223	199	1.25	2	13	592	45	2725	615	1.31	5	10	513	75	1824	889	1.27	40
14	1	3	475	-	1220	-	1.14	-	-	-	-	-	-	-	1	2	475	-	1220	-	1.14	-
TOTAL	34	101						15	100						50	100						
MEAN			426	25	948	183	1.21			494	50	1609	567	1.29			446	46	1145	457	1.24	31
MEAN AGE	9.9							10.1							9.9							

Table 59. Biological data by length interval for yellow walleye caught in 89, 114, and 140 mm mesh gillnets at "Sanguez" Lake, NT, in December 1996.

LENGTH	MALES					FEMALES					TOTAL					%
INTERVAL		Fork length (mm)	Round weight (g)		K		Fork length (mm)	Round weight (g)		K		Fork length (mm)	Round weight (g)		K	FEMALE
(mm)	n	mean	mean	SD		n	mean	mean	SD		n	mean	mean	SD		
360-369	1	366	490	-	1.00	-	-	-	-	-	1	366	490	-	1.00	-
370-379	1	373	730	-	1.41	-	-	-	-	-	1	373	730	-	1.41	-
390-399	2	397	785	35	1.25	-	-	-	-	-	2	397	785	35	1.25	-
400-409	4	406	820	39	1.23	-	-	-	-	-	4	406	820	39	1.23	-
410-419	6	414	830	50	1.17	-	-	-	-	-	7	414	839	51	1.18	-
420-429	6	424	942	52	1.23	-	-	-	-	-	6	424	942	52	1.23	-
430-439	3	434	973	61	1.19	-	-	-	-	-	3	434	973	61	1.19	-
440-449	3	444	1083	71	1.24	2	444	1090	57	1.25	5	444	1086	58	1.24	40
450-459	4	451	1060	26	1.15	3	458	1262	56	1.32	7	454	1146	114	1.22	43
460-469	2	461	1235	78	1.26	-	-	-	-	-	2	461	1235	78	1.26	-
470-479	2	473	1330	156	1.26	3	473	1350	44	1.27	5	473	1342	84	1.27	60
490-499	-	-	-	-	-	2	492	1493	88	1.25	2	492	1493	88	1.25	-
500-509	-	-	-	-	-	1	500	1760	-	1.41	1	500	1760	-	1.41	-
510-519	-	-	-	-	-	1	512	1630	-	1.21	1	512	1630	-	1.21	-
550-559	-	-	-	-	-	1	550	2290	-	1.38	1	550	2290	-	1.38	-
560-569	-	-	-	-	-	1	560	2290	-	1.30	1	560	2290	-	1.30	-
620-629	-	-	-	-	-	1	623	3160	-	1.31	1	623	3160	-	1.31	-
TOTAL	34					15					50					
MEAN		426	948	183	1.21		494	1609	567	1.29		446	1145	457	1.24	31

Table 60. Biological data by age class for lake whitefish caught in 114 mm mesh gillnets at Sibbeston Lake, NT, in November and December 1997.

AGE	MALES							FEMALES							TOTAL							%
(y)			Fork length (mm)		Round weight (g)		K			Fork length (mm)		Round weight (g)		K			Fork length (mm)		Round weight (g)		K	FEMALE
	n	%	mean	SD	mean	SD		n	%	mean	SD	mean	SD		n	%	mean	SD	mean	SD		
5	1	3	348	-	630	-	1.49	3	10	365	5	737	25	1.51	4	6	361	10	710	57	1.51	75
6	3	9	372	37	810	235	1.55	4	13	364	22	780	140	1.60	7	10	368	27	793	169	1.58	57
7	8	23	378	27	843	153	1.55	2	6	357	59	800	127	1.84	10	14	374	32	834	143	1.60	20
8	3	9	377	18	833	140	1.54	4	13	398	24	958	76	1.52	8	11	390	21	916	114	1.55	57
9	3	9	412	20	1093	215	1.55	2	6	397	9	895	92	1.43	5	7	406	17	1014	193	1.50	40
10	4	11	419	17	1215	142	1.64	1	3	465	-	1600	-	1.59	7	10	403	26	1264	203	1.59	20
11	2	6	426	17	1270	99	1.64	3	10	433	7	1043	74	1.29	5	7	430	11	1134	143	1.43	60
12	2	6	430	19	1210	85	1.53	2	6	439	6	1235	78	1.46	4	6	434	13	1223	68	1.50	50
13	2	6	421	8	1300	28	1.75	-	-	-	-	-	-	-	2	3	421	8	1300	28	1.75	-
14	2	6	431	16	1240	127	1.55	2	6	426	-	1110	14	1.44	4	6	428	10	1175	105	1.49	50
15	-	-	-	-	-	-	-	3	10	468	88	1257	285	1.29	3	4	468	88	1257	285	1.29	-
16	2	6	428	11	1280	113	1.64	-	-	-	-	-	-	-	2	3	428	11	1280	113	1.64	-
20	-	-	-	-	-	-	-	2	6	435	7	1225	191	1.48	2	3	435	7	1225	191	1.48	-
21	2	6	468	6	1500	-	1.46	1	3	498	-	1730	-	1.40	3	4	478	18	1577	133	1.44	33
22	-	-	-	-	-	-	-	1	3	448	-	1220	-	1.36	1	1	448	-	1220	-	1.36	-
23	-	-	-	-	-	-	-	1	3	490	-	1770	-	1.50	1	1	490	-	1770	-	1.50	-
24	1	3	454	-	1390	-	1.49	-	-	-	-	-	-	-	2	3	498	62	2145	1068	1.65	-
TOTAL	35	103*						31	98*						70	99*						
MEAN			405	35	1069	267	1.57			415	51	1062	299	1.48			421	45	1095	351	1.53	47
MEAN AGE	10.9							11.3							11.0							

* Percentages do not equal 100 due to rounding of numbers.

Table 61. Biological data by length interval for lake whitefish caught in 114 mm mesh gillnets at Sibbeston Lake, NT, in November and December 1997.

LENGTH	MALES					FEMALES					TOTAL					%
INTERVAL		Fork length (mm)	Round weight (g)		K		Fork length (mm)	Round weight (g)		K		Fork length (mm)	Round weight (g)		K	FEMALE
(mm)	n	mean	mean	SD		n	mean	mean	SD		n	mean	mean	SD		
310-319	-	-	-	-	-	1	315	710	-	2.27	1	315	710	-	2.27	-
330-339	1	334	610	-	1.64	-	-	-	-	-	1	334	610	-	1.64	-
340-349	2	347	645	21	1.54	2	345	660	28	1.61	4	346	653	22	1.58	50
350-359	2	351	675	35	1.57	-	-	-	-	-	2	351	675	35	1.57	-
360-369	1	360	700	-	1.50	2	363	735	35	1.54	3	362	723	32	1.52	67
370-379	2	377	860	57	1.61	2	374	805	92	1.54	4	375	833	70	1.57	50
380-389	2	385	860	71	1.51	3	383	910	26	1.62	5	384	890	48	1.57	60
390-399	5	393	922	68	1.52	2	394	860	42	1.41	8	393	916	69	1.51	29
400-409	-	-	-	-	-	2	402	970	14	1.50	3	402	990	36	1.52	-
410-419	8	416	1161	68	1.61	2	418	1095	78	1.50	10	416	1148	71	1.59	20
420-429	5	424	1302	47	1.71	3	426	1097	25	1.42	8	425	1225	113	1.60	37
430-439	3	437	1287	76	1.54	4	433	1105	54	1.37	7	434	1183	113	1.44	57
440-449	2	443	1300	42	1.50	4	443	1208	175	1.39	6	443	1238	145	1.43	67
450-459	1	454	1390	-	1.49	-	-	-	-	-	1	454	1390	-	1.49	-
460-469	1	464	1500	-	1.50	1	465	1600	-	1.59	3	464	1487	121	1.49	50
470-479	2	471	1435	92	1.37	-	-	-	-	-	2	471	1435	92	1.37	-
490-499	-	-	-	-	-	2	494	1750	28	1.45	2	494	1750	28	1.45	-
500-509	-	-	-	-	-	1	500	1760	-	1.41	1	500	1760	-	1.41	-
510-519	1	510	2040	-	1.54	-	-	-	-	-	1	510	2040	-	1.54	-
540-549	-	-	-	-	-	-	-	-	-	-	1	542	2900	-	1.82	-
570-579	-	-	-	-	-	1	570	1580	-	0.85	1	570	1580	-	0.85	-
TOTAL	38					32					74					
MEAN		410	1107	304	1.57		417	1083	319	1.48		415	1122	368	1.53	46

Table 62. Biological data by age class for lake whitefish caught in 140 mm mesh gillnets at Sibbeston Lake, NT, in November and December 1997.

AGE	MALES							FEMALES							TOTAL							%
(y)			Fork length (mm)		Round weight (g)		K			Fork length (mm)		Round weight (g)		K			Fork length (mm)		Round weight (g)		K	FEMALE
	n	%	mean	SD	mean	SD		n	%	mean	SD	mean	SD		n	%	mean	SD	mean	SD		
6	2	6	399	13	955	92	1.51	1	4	385	-	910	-	1.59	3	5	394	12	940	70	1.54	33
7	2	6	404	6	1025	21	1.55	1	4	385	-	850	-	1.49	4	6	399	10	973	84	1.53	33
8	2	6	412	13	1100	170	1.57	2	8	404	14	993	117	1.50	4	6	408	12	1047	134	1.54	50
9	1	3	406	-	1120	-	1.57	3	12	421	28	1153	237	1.53	4	6	418	24	1145	194	1.56	75
10	7	20	412	5	1130	84	1.61	2	8	417	16	1060	170	1.46	10	16	413	7	1110	95	1.58	22
11	5	14	413	17	1122	148	1.59	3	12	417	12	1110	108	1.53	8	13	414	14	1118	128	1.57	38
12	4	11	419	27	1098	214	1.48	1	4	423	-	1180	-	1.56	5	8	420	24	1114	189	1.50	20
13	2	6	433	40	1125	177	1.39	1	4	435	-	1110	-	1.35	4	6	433	10	1168	140	1.44	33
14	2	6	423	11	1235	120	1.63	1	4	470	-	1440	-	1.39	3	5	439	28	1303	146	1.55	33
15	1	3	412	-	1090	-	1.56	-	-	-	-	-	-	-	1	2	412	-	1090	-	1.56	-
16	4	11	446	21	1265	106	1.43	2	8	438	4	1145	92	1.37	6	9	443	17	1225	111	1.41	33
17	1	3	440	-	1260	-	1.48	1	4	468	-	1520	-	1.48	2	3	454	20	1390	184	1.48	50
18	-	-	-	-	-	-	-	1	4	506	-	2490	-	1.92	1	2	506	-	2490	-	1.92	-
19	-	-	-	-	-	-	-	1	4	455	-	1750	-	1.86	2	3	473	25	1975	318	1.86	-
21	1	3	474	-	1630	-	1.53	2	8	468	11	1495	120	1.46	3	5	470	9	1540	115	1.48	66
22	-	-	-	-	-	-	-	1	4	442	-	1200	-	1.39	1	2	442	-	1200	-	1.39	-
24	1	3	470	-	1670	-	1.61	1	4	440	-	1070	-	1.26	2	3	455	21	1370	424	1.43	50
25	-	-	-	-	-	-	-	1	4	502	-	1810	-	1.43	1	2	502	-	1810	-	1.43	-
TOTAL	35	101*						25	100						64	102*						
MEAN			421	23	1161	180	1.54			435	33	1260	364	1.50			427	29	1214	295	1.53	42
MEAN AGE	12.0							13.9							12.7							

* Percentages do not equal 100 due to rounding of numbers.

Table 63. Biological data by length interval for lake whitefish caught in 140 mm mesh gillnets at Sibbeston Lake, NT, in November and December 1997.

LENGTH	MALES					FEMALES					TOTAL					%
INTERVAL		Fork length (mm)	Round weight (g)		K		Fork length (mm)	Round weight (g)		K		Fork length (mm)	Round weight (g)		K	FEMALE
(mm)	n	mean	mean	SD		n	mean	mean	SD		n	mean	mean	SD		
380-389	3	386	870	20	1.51	2	385	880	42	1.54	5	386	874	26	1.52	40
390-399	-	-	-	-	-	2	392	900	14	1.49	2	392	900	14	1.49	-
400-409	8	405	1038	45	1.56	2	406	1010	99	1.51	12	405	1032	51	1.55	20
410-419	10	412	1127	70	1.61	2	414	1048	40	1.48	7	411	1107	73	1.60	17
420-429	5	424	1194	47	1.57	2	426	1180	-	1.53	12	421	1162	64	1.56	29
430-439	2	435	1320	-	1.60	4	433	1160	76	1.44	7	433	1227	100	1.51	67
440-449	4	441	1240	107	1.45	4	442	1208	114	1.40	8	441	1224	104	1.43	50
450-459	-	-	-	-	-	2	456	1525	318	1.61	2	456	1525	318	1.43	-
460-469	1	461	1250	-	1.28	2	464	1465	78	1.47	3	463	1393	136	1.40	67
470-479	3	473	1560	157	1.47	2	473	1510	99	1.43	5	473	1540	125	1.45	40
490-499	-	-	-	-	-	-	-	-	-	-	1	490	2200	-	1.87	-
500-509	-	-	-	-	-	2	504	2150	481	1.68	2	504	2150	481	1.68	-
TOTAL	36					26					66					
MEAN		421	1158	178	1.55		436	1262	357	1.49		428	1213	291	1.53	42

Table 64. Biological data by age class for lake whitefish caught in 114 mm mesh gillnets at Tsetso Lake, NT, in December 1997.

AGE	MALES							FEMALES							TOTAL							%
(y)			Fork length (mm)		Round weight (g)		K			Fork length (mm)		Round weight (g)		K			Fork length (mm)		Round weight (g)		K	FEMALE
	n	%	mean	SD	mean	SD		n	%	mean	SD	mean	SD		n	%	mean	SD	mean	SD		
6	1	2	375	-	870	-	1.65	-	-	-	-	-	-	-	2	2	371	6	840	42	1.64	-
7	2	3	399	11	920	-	1.46	1	4	367	-	710	-	1.44	4	4	388	16	813	124	1.39	33
8	1	2	368	-	770	-	1.55	1	4	377	-	710	-	1.33	2	2	373	6	740	42	1.44	50
9	4	6	400	6	948	88	1.48	-	-	-	-	-	-	-	4	4	400	6	948	88	1.48	-
10	1	2	430	-	1160	-	1.46	2	7	445	17	1045	49	1.19	3	3	440	15	1083	75	1.28	67
11	4	6	422	10	1078	84	1.43	2	7	394	23	850	28	1.40	6	6	413	19	1002	135	1.42	33
12	7	11	421	20	1093	140	1.47	7	26	417	23	1000	206	1.36	14	15	419	21	1046	176	1.41	50
13	10	16	421	13	1050	100	1.41	5	19	417	15	1032	103	1.42	15	16	420	13	1044	98	1.41	33
14	9	14	430	19	1140	157	1.43	-	-	-	-	-	-	-	9	10	430	19	1140	157	1.43	-
15	2	3	416	40	1020	212	1.42	1	4	426	-	1200	-	1.55	3	3	419	29	1080	182	1.46	33
16	3	5	436	6	1210	85	1.46	-	-	-	-	-	-	-	3	3	436	6	1210	85	1.46	-
17	3	5	435	15	1257	32	1.53	1	4	406	-	890	-	1.33	4	4	428	19	1165	185	1.48	25
18	-	-	-	-	-	-	-	1	4	425	-	1070	-	1.39	1	1	425	-	1070	-	1.39	-
19	2	3	427	9	1075	78	1.38	2	7	423	22	1065	35	1.42	4	4	425	14	1070	50	1.40	50
20	2	3	428	17	970	14	1.24	-	-	-	-	-	-	-	2	2	428	17	970	14	1.24	-
21	2	3	438	4	1180	99	1.41	1	4	429	-	860	-	1.09	3	3	435	6	1073	198	1.30	-
22	5	8	440	24	1216	275	1.41	1	4	428	-	1010	-	1.29	6	6	438	22	1182	260	1.39	17
23	2	3	446	16	1255	191	1.41	1	4	446	-	1010	-	1.14	3	3	446	12	1173	196	1.32	33
24	2	3	446	8	1170	28	1.32	1	4	412	-	1010	-	1.44	3	3	435	21	1117	95	1.36	33
26	1	2	450	-	1140	-	1.25	-	-	-	-	-	-	-	1	1	450	-	1140	-	1.25	-
28	1	2	442	-	1290	-	1.49	-	-	-	-	-	-	-	1	1	442	-	1290	-	1.49	-
TOTAL	64	102*						27	102*						93	96*						
MEAN			425	21	1100	158	1.43			416	23	983	152	1.36			421	23	1059	169	1.41	29
MEAN AGE	15.1							14.2							14.6							

* Percentages do not equal 100 due to rounding of numbers.

Table 65. Biological data by length interval for lake whitefish caught in 114 mm mesh gillnets at Tsetso Lake, NT, in December 1997.

LENGTH	MALES						FEMALES						TOTAL						%
INTERVAL		Fork length (mm)	Round weight (g)			K		Fork length (mm)	Round weight (g)			K		Fork length (mm)	Round weight (g)			K	FEMALE
(mm)	n	mean	mean	SD			n	mean	mean	SD			n	mean	mean	SD			
360-369	1	368	770	-		1.55	2	367	760	71		1.54	3	367	763	50		1.54	67
370-379	1	375	870	-		1.65	2	378	770	85		1.43	3	377	803	83		1.50	67
380-389	3	386	850	20		1.48	2	386	730	42		1.27	5	386	802	70		1.40	40
390-399	2	392	945	35		1.57	1	391	770	-		1.29	3	391	887	104		1.48	33
400-409	10	403	950	75		1.45	5	403	942	77		1.43	15	403	947	73		1.44	33
410-419	6	414	985	67		1.38	5	414	958	85		1.35	11	414	973	73		1.37	45
420-429	15	424	1077	83		1.42	5	427	1052	128		1.35	20	425	1071	93		1.40	25
430-439	13	433	1159	93		1.43	4	433	1103	39		1.36	17	433	1146	86		1.41	24
440-449	11	442	1162	110		1.35	3	444	1160	131		1.32	14	442	1161	109		1.34	21
450-459	9	453	1294	112		1.39	1	457	1010	-		1.06	10	453	1266	139		1.36	10
470-479	1	470	1470	-		1.42	-	-	-	-		-	1	470	1470	-		1.42	-
TOTAL	72						30						102						
MEAN		425	1092	158		1.42		413	965	157		1.36		421	1055	167		1.40	29

Table 66. Biological data by age class for yellow walleye caught in 114 mm mesh gillnets at Tsetso Lake, NT, in December 1997.

AGE	MALES							FEMALES							TOTAL							%
(y)			Fork length (mm)		Round weight (g)		K			Fork length (mm)		Round weight (g)		K			Fork length (mm)		Round weight (g)		K	FEMALE
	n	%	mean	SD	mean	SD		n	%	mean	SD	mean	SD		n	%	mean	SD	mean	SD		
7	2	15	391	13	675	106	1.12	1	1	400	-	740	-	1.16	3	4	394	10	697	84	1.13	-
12	-	-	-	-	-	-	-	3	4	483	21	1183	225	1.04	3	4	483	21	1183	225	1.04	-
13	1	8	506	-	1290	-	1.00	11	16	481	12	1285	100	1.16	12	15	483	14	1286	96	1.14	92
14	-	-	-	-	-	-	-	9	13	499	21	1436	170	1.15	9	11	499	21	1436	170	1.15	-
15	-	-	-	-	-	-	-	7	10	508	13	1403	187	1.07	8	10	512	15	1453	223	1.08	-
16	2	15	472	25	1225	78	1.17	11	16	510	16	1527	177	1.15	13	16	504	16	1481	199	1.15	85
17	3	23	477	31	1083	208	0.99	14	21	512	26	1524	243	1.13	17	21	506	29	1446	289	1.11	82
18	2	15	486	15	1155	35	1.01	6	9	499	20	1395	202	1.12	8	10	495	19	1335	204	1.09	75
19	2	15	473	4	1045	7	0.99	4	6	516	20	1513	173	1.10	6	7	502	27	1357	276	1.06	67
20	1	8	462	-	800	-	0.81	1	1	500	-	1240	-	0.99	2	2	481	27	1020	311	0.90	50
21	-	-	-	-	-	-	-	1	1	538	-	1740	-	1.12	1	-	538	-	1740	-	1.12	-
TOTAL	13	99*						68	98*						82	100						
MEAN			465	38	1042	222	1.03			501	25	1422	222	1.12			496	30	1366	265	1.11	84
MEAN AGE	15.7							15.5							15.5							

* Percentages do not equal 100 due to rounding of numbers.

Table 67. Biological data by length interval for yellow walleye caught in 114 mm mesh gillnets at Tsetso Lake, NT, in December 1997.

LENGTH	MALES					FEMALES					TOTAL					%
		Fork length (mm)	Round weight (g)		K		Fork length (mm)	Round weight (g)		K		Fork length (mm)	Round weight (g)		K	FEMALE
INTERVAL (mm)	n	mean	mean	SD		n	mean	mean	SD		n	mean	mean	SD		
380-389	1	382	600	-	1.08	-	-	-	-	-	1	382	600	-	1.08	-
400-409	1	400	750	-	1.17	1	400	740	-	1.16	2	400	745	7	1.16	50
450-459	2	455	1035	191	1.10	1	459	960	-	0.99	3	456	1010	142	1.07	33
460-469	2	463	920	170	0.93	3	463	1170	87	1.18	5	463	1070	172	1.08	67
470-479	3	474	1090	78	1.03	4	476	1335	102	1.24	7	475	1230	156	1.15	57
480-489	-	-	-	-	-	9	483	1279	89	1.13	9	483	1279	89	1.13	-
490-499	2	493	1205	106	1.01	11	492	1317	86	1.10	13	492	1300	94	1.09	85
500-509	1	506	1290	-	1.00	17	503	1416	106	1.11	18	503	1409	107	1.11	94
510-519	1	513	1310	-	0.97	7	514	1560	206	1.15	8	514	1529	210	1.12	88
520-529	-	-	-	-	-	6	523	1552	121	1.08	6	523	1552	121	1.08	-
530-539	-	-	-	-	-	6	534	1738	121	1.14	6	534	1738	121	1.14	-
540-549	-	-	-	-	-	2	541	1705	92	1.08	2	541	1705	92	1.08	-
550-559	-	-	-	-	-	1	550	1910	-	1.15	1	550	1910	-	1.15	-
560-569	-	-	-	-	-	1	561	1910	-	1.08	1	561	1910	-	1.08	-
TOTAL	13					69					82					
MEAN		465	1042	222	1.03		501	1428	225	1.13		496	1366	265	1.11	84

Table 68. Biological data by age class for lake trout caught in 89, 114, and 140 mm mesh gillnets at Willow Lake, NT, in March 1999.

AGE	MALES							FEMALES							TOTAL							%
			Fork length (mm)		Round weight (g)		K			Fork length (mm)		Round weight (g)		K			Fork length (mm)		Round weight (g)		K	FEMALE
(y)	n	%	mean	SD	mean	SD		n	%	mean	SD	mean	SD		n	%	mean	SD	mean	SD		
8	-	-	-	-	-	-	-	1	10	519	-	1520	-	1.09	1	5	519	-	1520	-	1.09	100
9	1	11	572	-	1710	-	0.91	-	-	-	-	-	-	-	1	5	572	-	1710	-	0.91	0
10	1	11	548	-	2400	-	1.46	1	10	633	-	3330	-	1.31	2	11	591	60	2865	658	1.39	50
11	-	-	-	-	-	-	-	1	10	420	-	1060	-	1.43	1	5	420	-	1060	-	1.43	100
13	1	11	570	-	1940	-	1.05	1	10	575	-	2120	-	1.12	2	11	573	4	2030	127	1.08	50
14	1	11	570	-	1530	-	0.83	-	-	-	-	-	-	-	1	5	570	-	1530	-	0.83	0
15	1	11	591	-	2550	-	1.24	1	10	803	-	6230	-	1.20	2	11	697	150	4390	2602	1.22	50
18	1	11	536	-	1840	-	1.19	-	-	-	-	-	-	-	1	5	536	-	1840	-	1.19	0
19	-	-	-	-	-	-	-	2	20	579	2	2330	141	1.20	2	11	579	2	2330	141	1.20	100
20	1	11	700	-	3710	-	1.08	1	10	845	-	10500	-	1.74	2	11	773	103	7105	4801	1.41	50
21	1	11	566	-	2140	-	1.18	1	10	712	-	4260	-	1.18	2	11	639	103	3200	1499	1.18	50
22	1	11	560	-	2110	-	1.20	1	10	755	-	8460	-	1.97	2	11	658	138	5285	4490	1.58	50
TOTAL	9	99*						10	100						19	102*						53
MEAN			579	48	2214	646	1.13			642	134	4214	3182	1.34			612	105	3267	2510	1.24	
MEAN AGE	16.0							15.8							15.8							

* Percentages do not equal 100 due to rounding of numbers.

Table 69. Biological data by length interval for lake trout caught in 89, 114, and 140 mm mesh gillnets at Willow Lake, NT, in March 1999.

LENGTH	MALES					FEMALES					TOTAL					%
		Fork length (mm)	Round weight (g)		K		Fork length (mm)	Round weight (g)		K		Fork length (mm)	Round weight (g)		K	FEMALE
INTERVAL (mm)	n	mean	mean	SD		n	mean	mean	SD		n	mean	mean	SD		
420-439	-	-	-	-	-	1	420	1060	-	1.43	1	420	1060	-	1.43	100
500-519	-	-	-	-	-	2	512	1480	57	1.11	2	512	1480	57	1.11	100
520-539	2	532	1810	42	1.21	-	-	-	-	-	2	532	1810	42	1.21	-
540-559	1	548	2400	-	1.46	-	-	-	-	-	2	549	2160	339	1.31	-
560-579	4	567	1975	197	1.09	6	572	2075	230	1.11	12	569	1981	242	1.07	60
580-599	3	591	2457	107	1.19	2	584	2085	205	1.05	5	588	2308	240	1.13	40
620-639	-	-	-	-	-	2	634	3145	262	1.23	2	634	3145	262	1.23	100
700-719	1	700	3710	-	1.08	1	712	4260	-	1.18	2	706	3985	389	1.13	50
740-759	-	-	-	-	-	1	755	8460	-	1.97	1	755	8460	-	1.97	100
780-799	-	-	-	-	-	1	790	5920	-	1.20	1	790	5920	-	1.20	100
800-819	-	-	-	-	-	2	807	6405	247	1.22	2	807	6405	247	1.22	100
840-859	-	-	-	-	-	1	845	10500	-	1.74	1	845	10500	-	1.74	100
TOTAL	11					19					33					63
MEAN		577	2273	557	1.17		633	3625	2663	1.24		608	3007	2154	1.19	

Table 70. Biological data by age class for lake whitefish caught in 89, 114, and 140 mm mesh gillnets at Willow Lake, NT, in March 1999.

AGE	MALES							FEMALES							TOTAL							%
(y)			Fork length (mm)		Round weight (g)		K			Fork length (mm)		Round weight (g)		K			Fork length (mm)		Round weight (g)		K	FEMALE
	n	%	mean	SD	mean	SD		n	%	mean	SD	mean	SD		n	%	mean	SD	mean	SD		
5	3	5	337	19	530	113	1.37	1	1	460	-	1370	-	1.41	4	3	368	64	740	430	1.38	18
6	5	8	340	29	546	149	1.35	7	10	378	41	764	252	1.38	13	10	356	44	651	239	1.39	48
7	14	21	401	33	935	247	1.41	16	24	394	43	899	286	1.42	30	22	397	38	916	264	1.42	43
8	12	18	407	44	988	311	1.41	8	12	405	40	925	276	1.35	20	15	406	41	963	292	1.39	31
9	11	17	401	28	921	217	1.41	15	22	416	18	1048	168	1.45	26	19	409	23	994	197	1.43	47
10	9	14	411	28	1031	219	1.46	6	9	414	35	1055	360	1.44	15	11	412	30	1041	272	1.45	31
11	5	8	431	25	1164	299	1.43	4	6	422	12	988	58	1.30	9	7	427	20	1086	235	1.38	35
12	2	3	428	40	1200	481	1.48	5	7	409	32	944	274	1.35	7	5	415	32	1017	323	1.39	62
13	2	3	434	9	1185	7	1.46	3	4	405	13	940	72	1.42	7	5	417	23	1043	236	1.41	50
14	2	3	416	36	1005	346	1.37	-	-	-	-	-	-	-	2	1	416	36	1005	346	1.37	-
18	-	-	-	-	-	-	-	1	1	435	-	1290	-	1.57	1	1	435	-	1290	-	1.57	-
20	1	2	420	-	1100	-	1.48	1	1	441	-	1230	-	1.43	2	1	431	15	1165	92	1.46	40
TOTAL	66	102*						67	97*						136	100						50
MEAN			401	39	945	290	1.42			406	35	964	257	1.41			403	38	952	278	1.41	
MEAN AGE	8.8							8.8							8.8							

* Percentages do not equal 100 due to rounding of numbers.

Table 71. Biological data by length interval for lake whitefish caught in 89, 114, and 140 mm mesh gillnets at Willow Lake, NT, in March 1999.

LENGTH	MALES					FEMALES					TOTAL					%
INTERVAL		Fork length (mm)	Round weight (g)		K		Fork length (mm)	Round weight (g)		K		Fork length (mm)	Round weight (g)		K	FEMALE
(mm)	n	mean	mean	SD		n	mean	mean	SD		n	mean	mean	SD		
280-289	2	286	300	14	1.28	-	-	-	-	-	3	285	327	47	1.41	-
290-299	-	-	-	-	-	1	290	360	-	1.48	1	290	360	-	1.48	100
310-319	1	315	400	-	1.28	-	-	-	-	-	1	315	400	-	1.28	-
320-329	1	328	480	-	1.36	-	-	-	-	-	1	328	480	-	1.36	-
330-339	1	334	540	-	1.45	3	332	493	51	1.35	4	332	505	48	1.38	75
340-349	3	345	557	38	1.36	2	340	565	35	1.44	5	343	560	32	1.39	40
350-359	7	353	609	35	1.38	1	352	540	-	1.24	8	353	600	41	1.36	13
360-369	2	363	655	78	1.37	3	363	667	49	1.40	5	363	662	53	1.39	60
370-379	2	374	740	-	1.42	3	374	783	84	1.50	5	374	766	64	1.47	60
380-389	7	384	771	67	1.37	4	385	818	56	1.44	11	384	788	65	1.39	36
390-399	6	392	848	114	1.41	10	391	834	91	1.40	16	391	839	97	1.40	63
400-409	8	401	903	87	1.40	9	404	902	80	1.37	17	402	902	81	1.38	53
410-419	8	412	966	117	1.38	10	412	990	142	1.41	18	412	980	128	1.40	56
420-429	10	422	1098	90	1.46	9	423	1110	100	1.47	19	422	1104	93	1.46	47
430-439	9	433	1192	68	1.46	11	432	1097	115	1.36	20	433	1140	106	1.41	55
440-449	7	441	1186	69	1.39	7	443	1243	87	1.43	14	442	1214	81	1.41	50
450-459	7	452	1457	97	1.57	3	452	1297	65	1.41	11	452	1409	109	1.52	30
460-469	2	463	1525	106	1.54	3	463	1470	132	1.48	5	463	1492	112	1.50	60
470-479	1	470	1380	-	1.33	-	-	-	-	-	1	470	1380	-	1.33	-
490-499	1	490	1330	-	1.13	-	-	-	-	-	1	490	1330	-	1.13	-
TOTAL	85					79					166					47
MEAN		404	966	304	1.41		407	969	250	1.41		405	967	282	1.41	

Table 72. Biological data by length interval for northern pike caught in 89, 114, and 140 mm mesh gillnets at Willow Lake, NT, in March 1999.

LENGTH	MALES					FEMALES					TOTAL					%
INTERVAL		Fork length (mm)	Round weight (g)		K		Fork length (mm)	Round weight (g)		K		Fork length (mm)	Round weight (g)		K	FEMALE
(mm)	n	mean	mean	SD		n	mean	mean	SD		n	mean	mean	SD		
400-439	1	435	700	-	0.85	-	-	-	-	-	1	435	700	-	0.85	-
480-499	1	495	970	-	0.80	1	490	960	-	0.82	2	493	965	7	0.81	50
520-539	1	537	1250	-	0.81	-	-	-	-	-	1	537	1250	-	0.81	-
540-459	2	550	1340	-	0.81	1	545	1090	-	0.67	3	548	1257	144	0.76	33
560-579	2	572	1365	21	0.73	2	569	1400	57	0.76	4	571	1383	40	0.74	50
580-599	1	588	1320	-	0.65	-	-	-	-	-	1	588	1320	-	0.65	-
600-619	2	605	1495	346	0.67	-	-	-	-	-	2	605	1495	346	0.67	-
640-659	2	649	1705	219	0.62	2	651	2085	233	0.75	4	650	1895	287	0.69	50
660-679	1	660	2200	-	0.77	1	669	2110	-	0.70	2	665	2155	64	0.73	50
680-699	-	-	-	-	-	1	695	2150	-	0.64	1	695	2150	-	0.64	100
700-719	-	-	-	-	-	1	700	2670	-	0.78	1	700	2670	-	0.78	100
720-739	-	-	-	-	-	5	727	2792	141	0.73	5	727	2792	141	0.73	100
760-779	1	760	3430	-	0.78	1	772	3800	-	0.83	2	766	3615	262	0.80	50
840-859	-	-	-	-	-	1	850	5100	-	0.83	1	850	5100	-	0.83	100
TOTAL	14					16					30					53
MEAN		588	1549	653	0.74		675	2426	1044	0.75		634	2016	976	0.74	

Table 73. Anatomical structure used for age determination.

Location	Year	Species						
		Burbot	Cisco	Lake trout	Lake Whitefish	Northern pike	Sucker	Yellow walleye
Cli	1996	NA	-	otolith	pelvic fin	-	-	-
Deep	2000	-	NA	-	pelvic fin	pelvic fin	-	dorsal spine
"Ekali"	1996	-	pelvic fin	-	pelvic fin	pelvic fin	-	dorsal spine
"Gargon"	1996	-	-	-	pelvic fin	pelvic fin	-	-
Little Doctor	1996	otolith	-	NA*	pelvic fin	pelvic fin	NA	dorsal spine
"McEwan"	2000	otolith	pelvic fin	-	pelvic fin	pelvic fin	-	dorsal spine
McGill	2000	NA	-	-	pelvic fin	pelvic fin	NA	dorsal spine
"Reade"	2000	otolith	-	-	pelvic fin	pelvic fin	-	-
"Sanguez"	1996	-	pelvic fin	-	pelvic fin	pelvic fin	-	dorsal spine
Sibbeston	1997	-	-	-	otolith	pelvic fin	NA	dorsal spine
Tsetso	1997	-	-	-	otolith	pelvic fin	-	dorsal spine
Willow	1999	otolith	-	otolith	pelvic fin	NA*	NA	-

NA = not aged. * = otoliths unreadable.

Table 74. Muscle tissue metal analyses conducted on fishes from each lake sampled.

Location	Year	Muscle Tissue Metal Analyses			
		As	Hg	Me Hg	Se
Cli	1996	-	BU, LT, LW	-	-
Deep	2000	CO, LW, NP, WA	CO, LW, NP, WA	-	CO, LW, NP, WA
"Ekali"	1996	CO, LW, NP, WA	CO, LW, NP, WA	-	CO, LW, NP, WA
"Gargon"	1996	LW, NP	LW, NP	-	LW, NP
Little Doctor	1996	-	LT, LW, NP, SU, WA	NP	-
"McEwan"	2000	BU, CO, NP, WA	BU, CO, LW, NP, WA	-	BU, CO, NP, WA
McGill	2000	LW, NP, SU, WA	BU, LW, NP, SU, WA	-	LW, NP, SU, WA
"Reade"	2000	BU, LW, NP	BU, LW, NP	-	BU, LW, NP
"Sanguez"	1996	CO, LW, NP, WA	CO, LW, NP, WA	NP	CO, LW, NP, WA
Sibbeston	1997	LW, NP, SU, WA	LW, NP, SU, WA	-	LW, NP, SU, WA
Tsetso	1997	LW, NP, WA	LW, NP, WA	-	LW, NP, WA
Willow	1999	-	BU, LT, LW, SU, NP	NP	-

BU = burbot, CO = cisco (*Coregonus* sp.), LT = lake trout, LW = lake whitefish, NP = northern pike, SU = sucker (*Catostomus* sp.), WA = yellow walleye

Appendix 1. Description of the relative stages of maturity used for northern fish (after Falk *et al.* 1982).

MATURITY FLOW CHART

IMMATURE **MATURE** **RIPE** **SPENT** **RESTING**

Maturity Stage	Female		Male	
Immature (virgin)	**1**	- ovaries granular in texture - hard and triangular in shape - membrane firm - eggs distinguishable	**6**	- testes long and thin - tubular and scalloped in shape - up to full body lenfth - putty-like firmness
Mature	**2**	- current year spawner - ovary fills body cavity - eggs near full size but not loose - not expelled by pressure	**7**	- current year spawner - testes large and lobate - white to purplish in colour - centers may be fluid - milt not expelled by pressure
Ripe	**3**	- ovaries greatly extended and fill body cavity - eggs full-sized and transparent - expelled by slight pressure	**8**	- testes full-sized - white and lobate - milt expelled by slight pressure
Spent	**4**	- spawning complete - ovaries ruptured and flaccid - seed eggs visible - some retained eggs in body cavity	**9**	- spawning complete - testes flacid with some milt - blood vessels obvious - testes violet-pink in colour
Resting	**5**	- ovary 40-50% of body cavity - membrane thin, loose, semi-transparent - healed from spawning - seed eggs apparent with few atretic eggs - some eggs may be retained in body cavity	**10**	- testes tubular, less lobate - healed from spawning - no fluid in center - usually full length - mottled and purplish in colour
Unknown (virgin)	**0**	- cannot be sexed - gonads long or short and thin - transparent or translucent		
Unknown (non-virgin)	**11**	- resting fish - has spawned but gonads regenerated - sexing not possible		

Appendix 2. Biological and tissue metals data from fish collected at Cli Lake, NT, in March 1996, organized by species, collection date, and gillnet mesh size.

Date (yyyymmdd)	Gillnet Mesh (mm)	Sample Number		Fork length (mm)[1]	Round weight (g)	Sex	Age (y)	Condition Factor	Total Hg in flesh (µg/g wet wt)
		Field collection	Tissue metals						
BURBOT (*Lota lota*)									
19960316	89	117	263	500	650	M			0.89
LAKE TROUT (*Salvelinus namaycush*)									
19960315	89	2	214	835	7760	F	31	1.33	2.90
19960315	89	3	215	390	620		12	1.05	0.61
19960315	89	4	216	500	1560			1.25	1.48
19960315	89	6	217	465	1070			1.06	1.10
19960315	89	7	218	470	1030	F	25	0.99	0.94
19960315	89	8	219	500	1410		16	1.13	0.99
19960315	89	9	220	450	880	M		0.97	0.55
19960315	89	10	221	340	400	M	14	1.02	0.63
19960315	89	11	222	390	650	M	13	1.10	0.58
19960315	89	12	223	470	1080	F		1.04	0.66
19960315	89	13	224	405	700		11	1.05	0.30
19960315	89	15	225	495	1270	F		1.05	1.15
19960315	89	18	226	450	910	F	14	1.00	0.73
19960315	89	19	227	399	620		12	0.98	0.53
19960315	89	20	228	405	680	M	18	1.02	0.46
19960315	114	45	239	540	1430	M	17	0.91	0.76
19960315	114	46	240	550	1800	M		1.08	0.93
19960315	114	47	241	490	1220	M	15	1.04	0.61
19960315	114	48	242	480	1240	M	16	1.12	0.81
19960315	114	49	243	450	1030	M	13	1.13	0.55
19960315	114	50	244	500	1360	F		1.09	0.39
19960315	114	51	245	435	980	M	14	1.19	0.33
19960315	114	52	246	432	870	F	14	1.08	0.51
19960315	114	53	247	350	460	F	8	1.07	0.30
19960315	114	135		495	770	M	27	0.63	
19960315	114	136		522	1410	F	13	0.99	
19960315	114	137		450	910	F	13	1.00	
19960315	114	138		439	920	F	17	1.09	
19960315	114	139		478	1200	M	17	1.10	
19960315	114	140		555	1860	M		1.09	
19960315	114	141		482	1230	M	18	1.10	
19960315	114	142		486	1290	F	14	1.12	
19960315	114	143		489	1090	F	10	0.93	
19960315	114	144		461	1010	M	16	1.03	
19960315	114	145		525	1530	F		1.06	
19960316	89	85	248	850	5400	M	27	0.88	2.64
19960316	89	86		660	3140	F	13	1.09	
19960316	89	87	249	500	1160	F		0.93	0.57
19960316	89	88	250	470	1030	F	19	0.99	0.50
19960316	89	89	251	510	1030	F		0.78	0.69
19960316	89	90	252	455	1050	F	15	1.11	0.63
19960316	89	91	253	440	750	M	12	0.88	0.20
19960316	89	92	254	410	710	M	9	1.03	0.21
19960316	89	93	255	465	1180	F	13	1.17	0.75
19960316	89	94	256	465	1140	M	12	1.13	0.37
19960316	89	95	257	475	1000	F	18	0.93	0.49

Date (yyyymmdd)	Gillnet Mesh (mm)	Sample Number: Field collection	Sample Number: Tissue metals	Fork length (mm)[1]	Round weight (g)	Sex	Age (y)	Condition Factor	Total Hg in flesh (µg/g wet wt)
19960316	89	96	258	490	1090	F	14	0.93	0.46
19960316	89	97	259	465	940	F	13	0.93	0.56
19960316	89	98	261	510	1110	F		0.84	0.85
19960316	89	99	261	450	900	M	22	0.99	0.57
19960316	89	100	262	470	1020	M	14	0.98	0.80
19960316	89	101		460	880	F	25	0.90	
19960316	89	102		390	630	M	18	1.06	
19960316	89	103		420	730	M	13	0.99	
19960316	89	104		470	1070	F	13	1.03	
19960316	89	105		460	870	M	17	0.89	
19960316	89	106		422	820	F	12	1.09	
19960316	89	107		450	830	F	13	0.91	
19960316	89	108		460	1030	F		1.06	
19960316	89	109		455	990	M	13	1.05	
19960316	89	110		420	770	F	14	1.04	
19960316	89	111		445	830	F	19	0.94	
19960316	89	112		380	610		11	1.11	
19960316	89	113		405	690	F	11	1.04	
19960316	89	114		420	820	M	14	1.11	
19960316	89	115		455	890	F	11	0.94	
19960316	89	116		420	780	M	12	1.05	
19960316	140	35	229	500	1250	F		1.00	0.61
19960316	140	36	230	670	3620	F	28	1.20	1.75
19960316	140	37	231	725	4160	M	30	1.09	2.35
19960316	140	38	232	690	3050	F	25	0.93	4.61
19960316	140	39	233	340	340	F	9	0.87	0.42
19960316	140	40	234	560	2180	M		1.24	1.52
19960316	140	41	235	520	1330	M		0.95	0.92
19960316	140	42	236	470	1040	F	16	1.00	0.76
19960316	140	43	237	430	910	F	16	1.14	0.65
19960316	140	44	238	250	140		9	0.90	0.23
19960316	140	118		403	650	M	14	0.99	
19960316	140	119		520	1760	M	21	1.25	
19960316	140	120		378	560	M	12	1.04	
19960316	140	121		483	1360	M	16	1.21	
LAKE WHITEFISH (*Coregonus clupeaformis*)									
19960315	89	1	178	520	1700		8	1.21	0.07
19960315	89	5	179	490	1660		6	1.41	0.06
19960315	89	14	180	550	2290	F	7	1.38	0.08
19960315	89	16	181	480	1380		7	1.25	0.06
19960315	89	17	182	455	1110	F	4	1.18	0.06
19960315	89	54	197	500	1870	F	8	1.50	0.08
19960315	140	21	183	609	2880	F	16	1.28	0.16
19960315	140	22	184	564	2340	F		1.30	0.13
19960315	140	23	185	560	2380	F	10	1.36	0.09
19960315	140	24	186	550	2190		11	1.32	0.11
19960315	140	25	187	490	1840	M	9	1.56	0.08
19960315	140	26	188	503	1830	M	9	1.44	0.07
19960315	140	27	189	502	1830	F	8	1.45	0.11
19960315	140	28	190	500	1820	M	6	1.46	0.07
19960315	140	29	191	502	1830	M	9	1.45	0.10
19960315	140	30	192	500	1650	M	7	1.32	0.06
19960315	140	31	193	556	2150	F		1.25	0.15

Date (yyyymmdd)	Gillnet Mesh (mm)	Sample Number: Field collection	Sample Number: Tissue metals	Fork length (mm)[1]	Round weight (g)	Sex	Age (y)	Condition Factor	Total Hg in flesh (ug/g wet wt)
19960315	140	32	194	500	1750	M	6	1.40	0.06
19960315	140	33	195	501	1910	F	7	1.52	0.07
19960315	140	34	196	510	2020	M	8	1.52	0.07
19960316	89	55	198	525	2030	M		1.40	0.07
19960316	89	56	199	564	2170	M		1.21	0.12
19960316	89	57	200	528	2090	M	7	1.42	0.06
19960316	89	58	201	515	1800	F	9	1.32	0.12
19960316	89	59	202	494	1690	F	7	1.40	0.05
19960316	89	60	203	459	1060			1.10	0.12
19960316	89	61	204	400	860	F	4	1.34	0.05
19960316	89	62	205	484	1770	M	6	1.56	0.07
19960316	89	63	206	476	1460	M	6	1.35	0.07
19960316	89	64	207	543	2360	M	11	1.47	0.10
19960316	89	65	208	550	2050	F	11	1.23	0.13
19960316	89	66	209	460	1100	F		1.13	0.09
19960316	89	67	210	480	1440	M	6	1.30	0.09
19960316	89	68	211	429	990	M	4	1.25	0.05
19960316	89	69	212	410	890	M	4	1.29	0.05
19960316	89	70	213	400	810	F	4	1.27	0.07
19960316	89	71		470	1390	M	6	1.34	
19960316	89	72		510	1670	M	9	1.26	
19960316	89	73		550	2350	F		1.41	
19960316	89	74		490	1550	F	7	1.32	
19960316	89	75		500	1530	M	6	1.22	
19960316	89	76		475	1430	M	6	1.33	
19960316	89	77		447	1330	M	6	1.49	
19960316	89	78		412	980	M	4	1.40	
19960316	89	79		450	1270	M	5	1.39	
19960316	89	80		545	2210	M		1.37	
19960316	89	81		480	1530	M	6	1.38	
19960316	89	82		419	870	F		1.18	
19960316	89	83		500	1440	M	6	1.15	
19960316	89	84		395	840	M	4	1.36	
19960316	114	146		507	1740	F	7	1.34	
19960316	114	147		520	2050	F	9	1.46	
19960316	114	148		484	1540	M	6	1.36	
19960316	114	149		473	1410	F	5	1.33	
19960316	114	150		451	1290	F	5	1.41	
19960316	114	151		496	1580	M	7	1.29	
19960316	114	152		524	2170	M	8	1.51	
19960316	114	153		475	1520	F	6	1.42	
19960316	114	154		493	1720	M	8	1.44	
19960316	114	155		533	2200	F		1.45	
19960316	114	156		512	1790	F	6	1.33	
19960316	114	157		525	1940	F	8	1.34	
19960316	114	158		502	1900	M	10	1.50	
19960316	114	159		525	1740	F	8	1.20	
19960316	114	160		529	1970	M	11	1.33	
19960316	114	161		547	2260	F	11	1.38	
19960316	114	162		406	880	F	4	1.31	
19960316	114	163		376	740	M	4	1.39	
19960316	114	164		535	2060	F	11	1.35	
19960316	114	166		485	1400	F	9	1.23	
19960316	114	167		501	1550	M	6	1.23	

Date (yyyymmdd)	Gillnet Mesh (mm)	Sample Number		Fork length (mm)[1]	Round weight (g)	Sex	Age (y)	Condition Factor	Total Hg in flesh (µg/g wet wt)
		Field collection	Tissue metals						
19960316	114	168		495	1610	M	6	1.33	
19960316	140	122		532	2040	M		1.35	
19960316	140	123		557	1740	F		1.01	
19960316	140	124		560	2270	M		1.29	
19960316	140	125		507	1710	F		1.31	
19960316	140	126		500	1550	F		1.24	
19960316	140	127		489	1440	F		1.23	
19960316	140	128		522	2040	M		1.43	
19960316	140	129		493	1610	F		1.34	
19960316	140	130		500	1640			1.31	
19960316	140	131		540	1880	M		1.19	
19960316	140	132		535	1990	M		1.30	
19960316	140	133		546	2140	F		1.31	
19960316	140	134		493	1690	M		1.41	

[1] total length for burbot.

Appendix 3. Biological and tissue metals data from fish caught at Deep Lake, NT, in February 2000, organized by species, collection date, and gillnet mesh size.

DATE	Gillnet	Sample Number			Fork	Round	Age	Condition	Total metal concentration in flesh (µg/g wet wt)		
(yyyymmdd)	Mesh (mm)	Field Collection	Lockhart	Metals Lab	length (mm)	weight (g)	(y)	Factor	As	Hg	Se
CISCO (*Coregonus* sp.)											
20000213	89	132	2192	00/F1291	155	40		1.07	<0.050	0.260	0.175
LAKE WHITEFISH (*Coregonus clupeaformis*)											
20000209	89	115	2175	00/F1274	440	1200	12	1.41	<0.050	0.154	0.151
20000209	89	108	2168	00/F1267	414	1040	7	1.47	<0.050	0.072	0.111
20000209	89	109	2169	00/F1268	351	550		1.27	0.052	0.135	0.101
20000209	114	106	2166	00/F1265	368	560	9	1.12	<0.050	0.299	0.129
20000209	140	98	2158	00/F1257	447	1140	15	1.28	0.144	0.280	0.188
20000209	140	99	2159	00/F1258	435	1120	16	1.36	0.108	0.331	0.176
20000209	140	100	2160	00/F1259	484	1420	13	1.25	0.074	0.347	0.141
20000209	140	101	2161	00/F1260	462	1510		1.53	0.080	0.450	0.193
20000209	140	102	2162	00/F1261	484	1660	13	1.46	0.059	0.132	0.107
20000209	140	103	2163	00/F1262	462	1280	14	1.30	0.144	0.442	0.275
20000209	140	104	2164	00/F1263	465	1510	17	1.50	0.077	0.468	0.194
20000209	140	105	2165	00/F1264	451	1230	12	1.34	0.064	0.313	0.184
20000210	89	118	2178	00/F1277	460	1470	10	1.51	0.065	0.354	0.197
20000210	89	119	2179	00/F1278	426	990	7	1.28	<0.050	0.082	0.154
20000210	140	116	2176	00/F1275	468	1440	8	1.40	<0.050	0.273	0.067
20000210	140	117	2177	00/F1276	455	1270	12	1.35	<0.050	0.131	0.175
20000211	89	122	2182	00/F1281	450	1380	14	1.51	<0.050	0.231	0.130
20000211	89	123	2183	00/F1282	327	400		1.14	0.073	0.203	0.123
20000211	114	120	2180	00/F1279	481	1500	13	1.35	<0.050	0.321	0.126
20000212	89	126	2186	00/F1285	472	1690	10	1.61	<0.050	0.148	0.137
20000212	140	124	2184	00/F1283	475	1490	10	1.39	0.082	0.305	0.138
20000213	89	131	2191	00/F1290	441	1300	9	1.52	<0.050	0.077	0.132
20000213	140	127	2187	00/F1286	464	1290	10	1.29	0.120	0.202	0.128
20000213	140	128	2188	00/F1287	460	1290	11	1.33	0.055	0.329	0.170
20000214	89	135	2195	00/F1294	408	960	7	1.41	0.114	0.121	0.154
20000214	89	136	2196	00/F1295	478	1690	14	1.55	0.087	0.397	0.272
20000214	140	133	2193	00/F1292	491	1760		1.49	<0.050	0.220	0.154
20000214	140	134	2194	00/F1293	399	950	7	1.50	<0.050	0.143	0.182
NORTHERN PIKE (*Esox lucius*)											
20000209	114	113	2173	00/F1272	612	1760	14	0.77	<0.050	0.636	0.110
20000209	114	107	2167	00/F1266	610	1780	11	0.78	0.055	0.505	0.072
20000211	89	121	2181	00/F1280	632	1560	16	0.62	<0.050	0.768	0.058
20000212	89	125	2185	00/F1284	586	1430	8	0.71	0.057	0.826	0.109
20000213	89	129	2189	00/F1288	584	1240	9	0.62	<0.050	0.895	0.156
20000213	89	130	2190	00/F1289	478	750	4	0.69	0.071	0.389	0.162
YELLOW WALLEYE (*Stizostedion vitreum*)											
20000209	114	110	2170	00/F1269	396	760	11	1.22	0.081	0.835	0.204
20000209	114	111	2171	00/F1270	445	930	17	1.06	0.093	1.426	0.225
20000209	114	112	2172	00/F1271	458	1190	14	1.24	0.092	0.768	0.180
20000209	140	114	2174	00/F1273	493	1280	19	1.07	0.055	1.392	0.169

Appendix 4. Biological and tissue metals data from fish collected at "Ekali" Lake, NT, in December 1996, organized by species, collection date, and gillnet mesh size.

Date	Gillnet	Sample Number			Fork	Round	Sex	Age	Condition	Total metal concentration in flesh (µg/g wet wt)		
(yyyymmdd)	Mesh	Field	Lockhart	Metals	length	weight		(y)	Factor			
	(mm)	collection		Lab	(mm)	(g)				As	Hg	Se
LAKE CISCO (*Coregonus artedii*)												
19961205	89	41			327	580		9	1.66			
19961205	89	42			310	450		7	1.51			
19961205	89	43			335	580		11	1.54			
19961205	89	44			340	680		12	1.73			
19961205	89	45			352	750		11	1.72			
19961205	89	46			361	810		11	1.72			
19961205	89	47			360	870		9	1.86			
19961205	89	48			308	530		5	1.81			
19961205	89	49			326	610		8	1.76			
19961205	89	50			342	620		9	1.55			
19961205	89	51			318	480		7	1.49			
19961205	89	52			288	370		7	1.55			
19961205	89	53			300	370		6	1.37			
19961205	89	54			345	660		8	1.61			
19961205	89	55			310	430		6	1.44			
19961205	89	124			317	460		7	1.44			
19961205	114	6	706	97-306	321	560		9	1.69	0.08	0.113	0.09
19961205	114	7	707	97-307	345	650		9	1.58	0.12	0.189	0.07
19961205	114	8	708	97-308	348	650		9	1.54	0.11	0.152	0.10
19961205	114	9	709	97-309	377	820		10	1.53	0.08	0.078	0.10
19961205	114	10	710	97-310	336	540		11	1.42	0.09	0.085	0.12
19961205	114	11	711	97-311	363	710		12	1.48	0.07	0.143	0.08
19961205	114	12	712	97-312	330	570		7	1.59	0.07	0.081	0.07
19961205	114	13	713	97-313	320	520		7	1.59	0.06	0.076	0.06
19961205	114	14	714	97-314	355	600		10	1.34	<0.05	0.111	0.07
19961205	114	15	715	97-315	335	550		9	1.46	<0.05	0.098	0.10
19961205	114	16	716	97-316	325	580		9	1.69	<0.05	0.188	0.08
19961205	114	17	717	97-317	352	630		10	1.44	0.09	0.280	0.10
19961205	114	18	718	97-318	323	520		6	1.54	0.07	0.109	0.08
19961205	114	19	719	97-319	363	690		13	1.44	0.06	0.097	0.11
19961205	114	20	720	97-320	350	750		9	1.75	0.06	0.101	0.07
19961205	114	21	721	97-321	348	670		9	1.59	<0.05	0.165	0.08
19961205	114	23			380	870		9	1.59			
19961205	114	24			336	590		8	1.56			
19961205	114	25			334	600		7	1.61			
19961205	114	26			322	590		8	1.77			
19961205	114	27			313	520		9	1.70			
19961205	114	28			347	630		11	1.51			
19961205	114	29			341	640		8	1.61			
19961205	114	30			343	650		11	1.61			
19961205	114	31			359	710		11	1.53			
19961205	114	32			324	600		9	1.76			
19961205	114	33			331	590		10	1.63			
19961205	114	34			342	590		10	1.47			
19961205	114	35			367	730		10	1.48			
19961205	114	36			350	640		9	1.49			
19961205	114	37			300	580		7	2.15			
19961205	114	38			324	520		5	1.53			
19961205	114	39			354	590		9	1.33			
19961205	114	40			362	820		9	1.73			

Date	Gillnet	Sample Number			Fork	Round	Sex	Age	Condition	Total metal concentration in flesh (µg/g wet wt)		
(yyyymmdd)	Mesh	Field	Lockhart	Metals	length	weight		(y)	Factor			
	(mm)	collection		Lab	(mm)	(g)				As	Hg	Se
19961205	133	1	702	97-302	322	590		7	1.77	0.07	0.088	0.10
19961205	133	2	703	97-303	324	560		7	1.65	0.07	0.085	0.08
19961205	133	3	704	97-304	315	510		8	1.63	0.09	0.051	0.09
19961205	133	4	705	97-305	313	460		7	1.50	0.11	0.066	0.09
19961206	114	68			352	660		9	1.51			
19961206	114	69			340	600		7	1.53			
19961206	114	70			325	500		9	1.46			
19961206	114	71			325	560		6	1.63			
19961206	114	72			384	820		13	1.45			
19961206	114	73			334	550		9	1.48			
19961206	114	74			350	610		8	1.42			
19961206	114	75			330	550		7	1.53			
19961206	114	76			349	580		8	1.36			
19961206	114	77			323	500		7	1.48			
19961206	114	78			335	600		10	1.60			
19961206	114	79			365	690		10	1.42			
19961206	114	80			319	520		7	1.60			
19961206	114	81			334	580		9	1.56			
19961206	114	82			362	600		8	1.26			
19961206	114	83			334	680		9	1.83			
19961206	114	84			366	770		13	1.57			
19961206	114	85			365	720		12	1.48			
19961206	114	86			366	610		10	1.24			
19961206	114	87			362	730		12	1.54			
19961206	114	88			345	630		10	1.53			
19961206	133	64			382	900		10	1.61			
19961206	133	65			368	820		9	1.65			
19961206	133	66			324	530		8	1.56			
19961206	133	67			325	510		7	1.49			
19961206	133	94			354	890		10	2.01			
19961206	133	95			359	810		9	1.75			
19961206	133	96			384	870		11	1.54			
19961207	114	89			340	630		6	1.60			
19961207	114	90			326	610		6	1.76			
19961207	114	91			334	600		10	1.61			
19961208	102	97			337	560		8	1.46			
19961208	102	98			352	620		10	1.42			
19961208	102	99			314	480		6	1.55			
19961208	102	100			319	520		8	1.60			
19961208	102	101			325	480		6	1.40			
19961208	114	104			340	640		7	1.63			
19961210	114	122			329	570		7	1.60			
19961210	114	123			352	690		13	1.58			
19961210	114	125			337	620		8	1.62			
LAKE WHITEFISH (*Coregonus clupeaformis*)												
19961208	114	105	743	97-343	429	1140	M	4	1.44	0.06	0.051	0.10
19961208	114	106	744	97-344	386	890	M	5	1.55	<0.05	0.034	0.12
19961210	114	120	755	97-355	379	910	F	8	1.67	<0.05	0.066	0.09
19961210	114	121	756	97-356	532	2480	F	13	1.65	<0.05	0.160	0.08
19961210	114	124	757	97-357	385	840	F	5	1.47	<0.05	0.049	0.11
19961210	133	111	747	97-347	597	3420		14	1.61	<0.05	0.129	0.06
19961210	133	112	748	97-348	383	880	F	4	1.57	<0.05	0.046	0.09
19961210	133	113	749	97-349	411	1150	F	5	1.66	0.10	0.037	0.11
19961210	133	114	750	97-350	534	2620	M	9	1.72	0.11	0.105	0.14

Date	Gillnet	Sample Number			Fork	Round	Sex	Age	Condition	Total metal concentration in flesh (µg/g wet wt)		
(yyyymmdd)	Mesh	Field	Lockhart	Metals	length	weight		(y)	Factor			
	(mm)	collection		Lab	(mm)	(g)				As	Hg	Se
19961210	133	115	751	97-351	481	1950		8	1.75	0.05	0.102	0.12
19961210	133	116	752	97-352	500	2240		5	1.79	0.07	0.054	0.13
19961210	133	117	753	97-353	548	2590	F	13	1.57	0.06	0.149	0.09
19961210	133	118	754	97-354	435	1340	F	5	1.63	0.05	0.051	0.11
19961211	114	128	745	97-345	392	870		5	1.44	0.06	0.038	0.11
19961211	114	129	760	97-360	560	2880	M	13	1.64	0.07	0.102	0.12
19961211	114	130	761	97-361	546	2310	F	9	1.42	0.07	0.103	0.10
19961211	114	131	762	97-362	507	2200	M	8	1.69	0.06	0.082	0.10
19961211	114	132			504	2100	F	8	1.64			
19961211	133	127	758	97-358	535	2460	F	12	1.61	<0.05	0.162	0.08
19961213	102	109	759	97-359	392	870	F	6	1.44	0.09	0.046	0.12
19961213	102	110	746	97-346	470	1880	M	5	1.81	<0.05	0.069	0.11
19961213	114	138			451	1380	F	4	1.50			
19961213	114	139			614	3470	F	17	1.50			
19961213	133	134			518	2300	M	8	1.65			
19961213	133	135			489	1570	F	6	1.34			
19961213	133	136			438	1370	M	5	1.63			
NORTHERN PIKE (*Esox lucius*)												
19961205	114	5	722	97-322	582	1210	F	8	0.61	0.05	0.318	0.11
19961205	114	22	723	97-323	744	3490	F	7	0.85	0.06	0.324	0.08
19961205	89	62	724	97-324	478	680		5	0.62	0.06	0.232	0.11
19961205	89	63	725	97-325	623	1900	F	12	0.79	0.05	0.499	0.09
19961207	114	93	726	97-326	595	1600	F	6	0.76	<0.05	0.141	0.09
19961208	102	103	727	97-327	495	860	M	7	0.71	0.06	0.303	0.10
19961213	102	137	728	97-328	526	1000	M	8	0.69	0.05	0.284	0.09
YELLOW WALLEYE (*Stizostedion vitreum*)												
19961206	89	56	729	97-329	394	620		7	1.01	<0.05	0.165	0.17
19961206	89	57	730	97-330	354	540	F	6	1.22	<0.05	0.163	0.17
19961206	89	58	731	97-331	461	1140		10	1.16	<0.05	0.319	0.16
19961206	89	59	732	97-332	430	870		8	1.09	<0.05	0.264	0.17
19961206	89	60	733	97-333	370	580		6	1.15	<0.05	0.213	0.16
19961206	89	61	734	97-334	445	1080	F	8	1.23	<0.05	0.262	0.16
19961207	114	92	735	97-335	423	910	M	10	1.20	<0.05	0.334	0.15
19961208	102	102	736	97-336	390	760	M	6	1.28	<0.05	0.188	0.16
19961208	114	107	737	97-337	404	780	M	9	1.18	<0.05	0.313	0.14
19961208	114	108	738	97-338	427	910	M	10	1.17	<0.05	0.333	0.16
19961210	114	125	739	97-339	424	960	M	10	1.26	<0.05	0.280	0.16
19961210	114	126			414	840	M	10	1.18			
19961210	133	119			439	1050	F	8	1.24			
19961211	114	133	740	97-340	376	680	M	8	1.28	<0.05	0.297	0.16
19961213	114	140	741	97-341	426	910		7	1.18	<0.05	0.177	0.15
19961213	114	141	742	97-342	412	850	M	10	1.22	<0.05	0.273	0.19

Appendix 5. Biological and tissue metals data from fish collected at "Gargon" Lake, NT, in December 1996, organized by species, collection date, and gillnet mesh size.

Date	Gillnet	Sample Number			Fork	Round	Sex	Age	Condition	Total metal concentration in flesh (µg/g wet wt)		
(ddmmyy)	Mesh	Field	Lockhart	Metals	length	weight		(y)	Factor			
	(mm)	collection		Lab	(mm)	(g)				As	Hg	Se
LAKE WHITEFISH (*Coregonus clupeaformis*)												
19961216	114	5	841	97-441	533	2490	F	9	1.64	0.09	0.111	0.13
19961216	114	6	842	97-442	556	3080	M	16	1.79	0.07	0.170	0.11
19961216	133	1	837	97-437	463	1870	F	4	1.88	0.15	0.047	0.13
19961216	133	2	838	97-438	478	1980	M	5	1.81	0.09	0.068	0.07
19961216	133	3	839	97-439	509	2650		9	2.01	<0.05	0.096	0.10
19961216	133	4	840	97-440	533	2470	M	10	1.63	0.08	0.097	0.12
19961218	114	16	850	97-450	468	2050	M	6	2.00	0.07	0.072	0.12
19961218	114	17	851	97-451	531	2300	M	8	1.54	0.07	0.098	0.09
19961218	114	18	852	97-452	472	2110		8	2.01	0.07	0.101	0.10
19961218	114	19	853	97-453	378	1000		5	1.85	0.08	0.053	0.10
19961218	114	20	854	97-454	446	1390	M	4	1.57	0.06	0.066	0.11
19961218	114	21	855	97-455	348	650		3	1.54	0.06	0.063	0.11
19961218	133	8	843	97-443	380	990	M	4	1.80	0.07	0.057	0.12
19961218	133	9	844	97-444	483	2180	M	5	1.93	0.09	0.075	0.11
19961218	133	10	845	97-445	471	1690	M	4	1.62	0.08	0.060	0.12
19961218	133	11	846	97-446	513	2010	F	8	1.49	0.07	0.112	0.09
19961218	133	12	847	97-447	488	2090	M	7	1.80	0.06	0.080	0.11
19961218	133	13	848	97-448	533	2780		12	1.84	0.05	0.241	0.09
19961218	133	14	849	97-449	513	2180	M	9	1.61	0.07	0.105	0.12
19961219	114	22	856	97-456	542	2620		9	1.65	0.06	0.149	0.11
19961219	114	23			451	1580		4	1.72			
19961219	133	24			480	1840		5	1.66			
19961219	133	25			477	1720		4	1.58			
19961219	133	26			449	1690		4	1.87			
19961219	133	27			587	3490		13	1.73			
19961219	133	28			533	2700		12	1.78			
19961219	133	29			524	2370		10	1.65			
NORTHERN PIKE (*Esox lucius*)												
19961216	114	7	835	97-435	611	1800	F	8	0.79	<0.05	0.38	0.06
19961218	133	15	836	97-436	725	3230	M	8	0.85	<0.05	0.794	0.08

Appendix 6. Biological and tissue metals data from fish collected at Little Doctor Lake, NT, in December 1996, organized by species, collection date, and gillnet mesh size.

Date	Gillnet	Sample Number			Fork	Round	Sex	Age	Condition	Metal concentration in flesh (µg/g wet wt)	
(yyyymmdd)	Mesh	Field	Lockhart	Metals	length	weight		(y)	Factor		
	(mm)	collection		Lab	(mm)[1]	(g)				MeHg	Total Hg
BURBOT (*Lota lota*)											
19960324	89	76			405	460	M	15	0.69		
LAKE TROUT (*Salvelinus namaycush*)											
19960321	114	16	383	96-4148	561	1670	F		0.95		0.488
19960321	114	17	384	96-4149	512	1260	F		0.94		0.444
19960321	114	18	385	96-4150	586	1820	F		0.90		0.445
19960321	114	19	386	96-4151	532	1610	F		1.07		0.377
19960321	114	20	387	96-4152	582	1900	F		0.96		0.400
19960321	114	21	388	96-4153	539	1400	M		0.89		0.408
19960321	114	22	389	96-4154	607	2120	M		0.95		0.451
19960321	114	61	391	96-4156	556	1770	F		1.03		0.376
19960321	114	62	392	96-4157	540	1590	M		1.01		0.342
19960322	140	36	390	96-4155	458	890	F		0.93		0.198
19960324	114	77			544	1380	F		0.86		
19960324	114	78			545	1740	F		1.07		
19960324	114	79			528	1560	F		1.06		
19960324	114	80			525	1300	F		0.90		
19960324	114	81			472	950	F		0.90		
19960324	114	82			532	1380	M		0.92		
19960324	114	118			530	1510	F		1.01		
19960325	140	111			550	1560	F		0.94		
19960325	140	112			557	1710	M		0.99		
LAKE WHITEFISH (*Coregonus clupeaformis*)											
19960321	89	27	366	96-4131	365	630	M	8	1.30		0.058
19960321	114	10	359	96-4124	403	890	F		1.36		0.140
19960321	114	11	360	96-4125	423	910	F	11	1.20		0.103
19960321	114	12	361	96-4126	425	940	F	11	1.22		0.192
19960321	114	13	362	96-4127	379	730	F	7	1.34		0.083
19960321	114	14	363	96-4128	391	800	M	10	1.34		0.099
19960321	114	15	364	96-4129	406	890	F		1.33		0.300
19960321	114	25	365	96-4130	387	800	M	11	1.38		0.065
19960322	114	41	369	96-4134	410	970	F		1.41		0.101
19960322	114	42	370	96-4135	432	1090	F	12	1.35		0.224
19960322	114	43	371	96-4136	380	770	F	9	1.40		0.094
19960322	114	44	372	96-4137	436	1170	M	11	1.41		0.125
19960322	114	45	373	96-4138	390	740	F	10	1.25		0.089
19960322	114	46	374	96-4139	423	1070	F	10	1.41		0.205
19960322	114	47	375	96-4140	432	980	M	10	1.22		0.100
19960322	114	48	376	96-4141	365	650	M	7	1.34		0.069
19960322	140	32	367	96-4132	450	1340	F	13	1.47		0.162
19960322	140	33	368	96-4133	428	1100	M		1.40		0.138
19960322	140	38			536	2030	M		1.32		
19960324	89	63			397	1010	F	14	1.61		
19960324	89	64			426	900	F	16	1.16		
19960324	89	65			403	960	M	10	1.47		
19960324	89	66			410	950	M	14	1.38		
19960324	89	67			394	860	M	10	1.41		
19960324	89	68			364	540	F	7	1.12		

Date (yyyymmdd)	Gillnet Mesh (mm)	Sample Number: Field collection	Lockhart	Metals Lab	Fork length (mm)[1]	Round weight (g)	Sex	Age (y)	Condition Factor	Metal concentration in flesh (µg/g wet wt): MeHg	Total Hg
19960324	89	69			334	500	M	5	1.34		
19960324	89	70			316	410	M	6	1.30		
19960324	89	71			304	340	M	6	1.21		
19960324	114	95			405	860	F	10	1.29		
19960324	114	96			410	970	F		1.41		
19960324	114	97			399	880	M	11	1.39		
19960324	114	98			392	870	M	11	1.44		
19960324	114	99			426	970	F	11	1.25		
19960324	114	100			374	700	F	9	1.34		
19960324	114	101			406	810	F	9	1.21		
19960324	114	102			385	710	F	10	1.24		
19960325	89	116			305	360	M	5	1.27		
19960325	140	114			457	1330	F	14	1.39		
19960325	140	115			461	1330	M		1.36		
NORTHERN PIKE (*Esox lucius*)											
19960321	114	1	331	96-4096	931	7390	F	21	0.92	1.444	1.482
19960321	114	2	332	96-4097	685	2810	F	9	0.87	0.289	0.412
19960321	114	3	333	96-4098	601	1820	F	10	0.84		0.547
19960321	114	26	334	96-4099	821	4660	F		0.84		0.864
19960321	89	30	336	96-4101	547	1120	M	8	0.68		0.483
19960321	89	31	337	96-4102	522	1000	M	10	0.70		0.449
19960322	140	35	338	96-4103	692	2370	F	10	0.72		0.677
19960322	114	58	339	96-4104	750	3830	F	16	0.91		1.174
19960322	114	59	340	96-4105	710	2450	M	13	0.68		0.533
19960324	114	103			664	2310	F	13	0.79		
19960324	114	104			602	1980	F	11	0.91		
SUCKERS (*Catostomus* sp.)											
19960322	114	57	382	96-4147	420	990	M		1.34		0.089
19960322	140	34	377	96-4142	480	1590	M		1.44		0.317
19960322	140	37	378	96-4143	500	2150	F		1.72		0.157
19960322	140	39	380	96-4145	560	2960	F		1.69		0.120
19960322	140	40	381	96-4146	450	1330	M		1.46		0.192
19960325	140	107	379	96-4144	536	1840	M		1.19		0.292
19960325	140	106			482	1450	F		1.29		
19960325	140	108			470	1320	M		1.27		
19960325	140	109			540	2330	F		1.48		
19960325	140	110			520	1990	M		1.42		
YELLOW WALLEYE (*Stizostedion vitreum*)											
19960321	89	28	349	96-4114	320	410	M	7	1.25		0.231
19960321	114	4	341	96-4106	504	1620	F	11	1.27		0.522
19960321	114	5	342	96-4107	436	1080	F	13	1.30		0.214
19960321	114	6	343	96-4108	523	1780	F	16	1.24		1.011
19960321	114	7	344	96-4109	438	1130	M	14	1.34		0.788
19960321	114	8	345	96-4110	500	1560	F	14	1.25		0.830
19960321	114	9	346	96-4111	456	1230	M	14	1.30		0.834
19960321	114	23	347	96-4112	486	1320	M	15	1.15		0.869
19960321	114	24	348	96-4113	445	1270	F	9	1.44		0.354
19960322	114	49	350	96-4115	443	1030	M	13	1.18		0.782
19960322	114	50	351	96-4116	475	1140	M	16	1.06		1.032
19960322	114	51	352	96-4117	530	1840	F	13	1.24		0.694
19960322	114	52	353	96-4118	552	2100	F	14	1.25		0.658
19960322	114	53	354	96-4119	455	1100	M	14	1.17		1.060

Date (yyyymmdd)	Gillnet Mesh (mm)	Sample Number: Field collection	Lockhart	Metals Lab	Fork length (mm)[1]	Round weight (g)	Sex	Age (y)	Condition Factor	Metal concentration in flesh (µg/g wet wt): MeHg	Total Hg
19960322	114	54	355	96-4120	516	1750	F	13	1.27		0.775
19960322	114	55	356	96-4121	468	1140	M	13	1.11		1.040
19960322	114	56	357	96-4122	436	1020	M	13	1.23		0.597
19960322	114	60	358	96-4123	544	1900	F	19	1.18		1.270
19960324	89	72			516	1690		15	1.23		
19960324	89	73			385	690	M	7	1.21		
19960324	89	74			348	450		6	1.07		
19960324	89	75			353	550	M	7	1.25		
19960324	114	83			505	1730	F	14	1.34		
19960324	114	84			476	1310	F	11	1.21		
19960324	114	85			525	2020	F	15	1.40		
19960324	114	86			460	1170	M	12	1.20		
19960324	114	87			441	1150	F	11	1.34		
19960324	114	88			437	1080	M	14	1.29		
19960324	114	89			464	1260	M	15	1.26		
19960324	114	90			491	1370	M	14	1.16		
19960324	114	91			525	1840	F	12	1.27		
19960324	114	92			524	1940	F	15	1.35		
19960324	114	93			434	1100	F	9	1.35		
19960324	114	94			438	1010	M	13	1.20		
19960324	114	105			400	790	M	11	1.23		
19960325	89	117			367	560	M		1.13		
19960325	140	113			532	1800	F	14	1.20		

[1] total length for burbot.

Appendix 7. Biological and tissue metals data from fish collected at "McEwan" Lake, NT, in January 2000, organized by species, collection date, and gillnet mesh size.

DATE (yyyymmdd)	Gillnet Mesh (mm)	Sample Number: Field Collection	Sample Number: Lockhart	Sample Number: Metals Lab	Fork length (mm)[1]	Round weight (g)	Age (y)	Condition Factor	Total metal concentration in flesh (µg/g wet wt): As	Hg	Se
BURBOT (*Lota lota*)											
20000117	140	106	1878	00/F886	635	2360	11	0.92	0.060	0.146	0.167
20000122	89	227	1879	00/F1007	447	660	6	0.74	<0.050	0.050	0.189
20000122	89	228	1880	00/F1008	429	610	6	0.77	0.161	0.072	0.186
20000122	89	229	1881	00/F1009	455	770	6	0.82	0.084	0.112	0.051
20000124	89	333	1882	00/F1113	495	920	6	0.76	<0.050	0.061	0.172
20000124	89	334	1883	00/F1114	445	730	7	0.83	0.072	0.077	0.092
20000125	89	361	1884	00/F1141	446	670	7	0.76	0.210	0.081	0.248
CISCO (*Coregonus* sp.)											
20000117	89	121	1885	00/F901	172	60		1.18	0.102	0.076	0.095
20000117	89	122	1886	00/F902	196	90		1.20	0.063	0.080	0.130
20000117	89	123	1887	00/F903	196	90		1.20	<0.050	0.086	0.157
20000117	89	124	1888	00/F904	204	90		1.06	<0.050	0.107	0.021
20000117	89	125	1889	00/F905	185	70		1.11	<0.050	0.054	0.122
20000117	89	126	1890	00/F906	176	60		1.10	<0.050	0.066	0.114
20000119	89	185	1892	00/F965	217	90		0.88	0.083	0.097	0.170
20000119	89	186	1893	00/F966	173	70		1.35	0.092	0.070	0.151
20000119	89	187	1894	00/F967	175	70		1.31	0.055	0.057	0.120
20000119	89	188	1895	00/F968	178	70		1.24	0.089	0.067	0.112
20000119	114	179	1891	00/F959	207	90		1.01	0.129	0.121	0.199
20000121	89	223	1898	00/F1003	299	340		1.27	<0.050	0.102	0.150
20000121	89	224	1899	00/F1004	168	50		1.05	<0.050	0.066	0.145
20000121	89	225	1900	00/F1005	174	60		1.14			
20000121	89	226	1901	00/F1006	208	100		1.11	0.061	0.120	0.145
20000121	114	217	1896	00/F997	185	80	5	1.26	0.051	0.058	0.129
20000121	114	218	1897	00/F998	178	70		1.24	0.069	0.085	0.104
20000122	89	234	1902	00/F1014	285	300		1.30	<0.050	0.099	0.138
20000122	89	235	1903	00/F1015	198	80		1.03	<0.050	0.103	0.078
20000122	114	281	1904	00/F1061	195	80		1.08	0.096	0.128	0.221
20000123	89	314	1905	00/F1094	182	70		1.16	<0.050	0.093	0.166
20000123	89	315	1906	00/F1095	177	60		1.08	0.097	0.078	0.172
20000123	89	316	1907	00/F1096	192	80		1.13	0.060	0.116	0.112
20000123	89	317	1908	00/F1097	180	70		1.20	0.080	0.098	0.133
20000123	89	318	1909	00/F1098	179	70		1.22	<0.050	0.076	0.156
20000123	89	319	1910	00/F1099	168	50		1.05	<0.050	0.070	0.161
20000124	89	335	1912	00/F1115	168	50		1.05	0.086	0.060	0.176
20000124	89	336	1913	00/F1116	175	60		1.12	0.088	0.071	0.191
20000124	140	327	1911	00/F1107	266	230		1.22	0.053	0.089	0.231
20000125	89	363	1914	00/F1143	192	80		1.13	0.082	0.131	0.189
20000125	89	364	1915	00/F1144	187	80		1.22	0.118	0.070	0.175
20000125	89	365	1916	00/F1145	212	90		0.94	0.098	0.132	0.169
20000125	89	366	1917	00/F1146	178	70		1.24	0.093	0.115	0.165
20000125	89	367	1918	00/F1147	201	80		0.99	0.124	0.185	0.300
20000125	89	368	1919	00/F1148	300	350		1.30	0.053	0.110	0.207
20000125	89	375	1920	00/F1155	180	60		1.03	0.073	0.102	0.186
LAKE WHITEFISH (*Coregonus clupeaformis*)											
20000117	89	107	1925	00/F887	430	1280	10	1.61		0.086	
20000117	89	108			428	1230	7	1.57			
20000117	89	109			388	850	9	1.46			
20000117	89	110			379	750	9	1.38			
20000117	89	111	1926	00/F891	362	600	5	1.26		0.053	
20000117	89	112			418	1060	9	1.45			

DATE	Gillnet	Sample Number			Fork	Round	Age	Condition	Total metal concentration in flesh (µg/g wet wt)		
(yyyymmdd)	Mesh	Field	Lockhart	Metals	length	weight	(y)	Factor			
	(mm)	Collection		Lab	(mm)[1]	(g)			As	Hg	Se
20000117	89	113	1927	00/F893	568	3320	24	1.81		0.142	
20000117	89	114			493	1930	9	1.61			
20000117	89	115			366	650	9	1.33			
20000117	89	116	1928	00/F896	481	1980	13	1.78		0.081	
20000117	114	127			445	1370	10	1.55			
20000117	114	128	1929	00/F908	463	1680	10	1.69		0.103	
20000117	114	129			442	1090	7	1.26			
20000117	114	130	1930	00/F910	393	490	9	0.81		0.055	
20000117	114	131			386	860	4	1.50			
20000117	114	132	1931	00/F912	380	760	9	1.39		0.057	
20000117	140	95	1921	00/F875	437	1130	9	1.35		0.059	
20000117	140	96			460	1310	8	1.35			
20000117	140	97			545	2260	13	1.40			
20000117	140	98			424	1050	9	1.38			
20000117	140	99	1922	00/F879	526	2270	14	1.56		0.153	
20000117	140	100			475	1590	10	1.48			
20000117	140	101			445	1350	16	1.53			
20000117	140	102	1923	00/F882	512	2030	18	1.51		0.137	
20000117	140	103	1924	00/F883	490	1780	15	1.51		0.079	
20000117	140	104			424	990		1.30			
20000117	140	105			424	1210	15	1.59			
20000119	89	182			375	780	10	1.48			
20000119	89	183			362	630	11	1.33			
20000119	89	184			376	730	7	1.37			
20000119	114	173			514	2130	13	1.57			
20000119	114	174			425	1140		1.49			
20000119	114	175			532	2080	18	1.38			
20000119	114	176			432	1190	9	1.48			
20000119	140	169	1932	00/F949	514	2160	11	1.59		0.075	
20000119	140	170			405	1080	8	1.63			
20000119	140	171	1933	00/F951	456	1340	11	1.41		0.123	
20000119	140	172			500	2030		1.62			
20000121	89	220			456	1380	8	1.46			
20000121	89	221	1936	00/F1001	375	600		1.14		0.070	
20000121	89	222	1937	00/F1002	306	370	5	1.29		0.042	
20000121	114	212			534	2240		1.47			
20000121	114	213			510	2130	14	1.61			
20000121	114	214			428	1220	9	1.56			
20000121	114	215	1934	00/F995	509	1800	9	1.36		0.114	
20000121	114	216	1935	00/F996	396	910	13	1.47		0.063	
20000121	140	211			566	2690	21	1.48			
20000122	89	236	1938	00/F1016	328	490	4	1.39		0.056	
20000122	89	237			374	720	5	1.38			
20000122	89	238			384	730	6	1.29			
20000122	89	239	1939	00/F1019	376	670	8	1.26		0.057	
20000122	89	240			392	830	8	1.38			
20000122	89	241	1940	00/F1021	456	1510	8	1.59		0.070	
20000122	89	242			400	980	11	1.53			
20000122	89	243			346	550	9	1.33			
20000122	89	244			362	660	7	1.39			
20000122	89	245			468	1530	12	1.49			
20000122	89	246			351	530	9	1.23			
20000122	89	247			362	660	5	1.39			
20000122	89	248			479	1760	11	1.60			
20000122	89	249			430	1270	11	1.60			
20000122	89	250			359	660	6	1.43			
20000122	89	251			450	1370	9	1.50			
20000122	89	252	1941	00/F1032	533	2570	21	1.70		0.128	
20000122	89	253			394	920	7	1.50			

DATE (yyyymmdd)	Gillnet Mesh (mm)	Sample Number			Fork length (mm)[1]	Round weight (g)	Age (y)	Condition Factor	Total metal concentration in flesh (µg/g wet wt)		
		Field Collection	Lockhart	Metals Lab					As	Hg	Se
20000122	89	254			361	640		1.36			
20000122	89	255			342	490	10	1.22			
20000122	89	256			343	520		1.29			
20000122	89	257			376	730		1.37			
20000122	89	258			357	630	6	1.38			
20000122	89	259			416	1140	9	1.58			
20000122	114	269			426	1110		1.44			
20000122	114	270			520	2280	16	1.62			
20000122	114	271			381	750	7	1.36			
20000122	114	272			366	680		1.39			
20000122	114	273	1944	00/F1053	438	1360	13	1.62		0.095	
20000122	114	274			360	680	6	1.46			
20000122	114	275			350	650	8	1.52			
20000122	114	276			388	880	9	1.51			
20000122	114	277			363	670	8	1.40			
20000122	114	278	1945	00/F1058	390	830	5	1.40		0.055	
20000122	114	279			360	710	4	1.52			
20000122	140	260	1942	00/F1040	546	2960	20	1.82		0.141	
20000122	140	261	1943	00/F1041	495	1900	9	1.57		0.072	
20000122	140	262			530	2250	17	1.51			
20000122	140	263			445	1220	11	1.38			
20000122	140	264			535	2370	19	1.55			
20000122	140	265			538	2470	22	1.59			
20000122	140	266			424	1070	6	1.40			
20000122	140	267			375	850	6	1.61			
20000122	140	268			419	1120	7	1.52			
20000123	114	308			458	1300	12	1.35			
20000123	140	304	1946	00/F1084	516	1920	12	1.40		0.087	
20000123	140	305	1947	00/F1085	571	3040		1.63		0.157	
20000123	140	306			508	1950	11	1.49			
20000123	140	307			408	990	7	1.46			
20000124	89	340	1950	00/F1120	334	430	7	1.15		0.050	
20000124	89	341			506	2130	11	1.64			
20000124	89	342			552	2670	17	1.59			
20000124	89	343			584	3360		1.69			
20000124	89	344			505	1920	9	1.49			
20000124	89	345			566	3190	20	1.76			
20000124	89	346			368	700	6	1.40			
20000124	89	347			396	840	9	1.35			
20000124	89	348			341	560	8	1.41			
20000124	89	349			531	2240	17	1.50			
20000124	114	329			371	700	8	1.37			
20000124	114	330			600	2970	23	1.38			
20000124	114	331	1949	00/F1111	507	2000	18	1.53		0.119	
20000124	114	332			457	1450		1.52			
20000124	140	320			488	1800		1.55			
20000124	140	321			513	1850		1.37			
20000124	140	322			392	850		1.41			
20000124	140	323			517	2310		1.67			
20000124	140	324			412	980		1.40			
20000124	140	325	1948	00/F1105	398	1000		1.59		0.054	
20000125	89	362			386	760	7	1.32			
20000125	89	372			404	930	7	1.41			
20000125	89	373			386	820	7	1.43			
20000125	89	374			382	760	9	1.36			
20000125	114	357			564	2930	28	1.63			
20000125	114	358			542	2510		1.58			
20000125	140	351			509	1840	21	1.40			
20000125	140	352			535	2380		1.55			

DATE (yyyymmdd)	Gillnet Mesh (mm)	Sample Number: Field Collection	Lockhart	Metals Lab	Fork length (mm)[1]	Round weight (g)	Age (y)	Condition Factor	Total metal concentration in flesh (µg/g wet wt): As	Hg	Se
20000125	140	353			445	1380	9	1.57			
20000125	140	354			561	2640	26	1.50			
20000125	140	376			421	1020	11	1.37			
20000125	140	377			445	1410	11	1.60			
20000125	140	378			586	3130	23	1.56			
20000125	140	379			565	2840	19	1.57			
NORTHERN PIKE (*Esox lucius*)											
20000117	89	118	1951	00/F898	668	2540	9	0.85	0.092	0.535	0.211
20000117	89	119	1952	00/F899	540	1090	3	0.69	0.066	0.258	0.156
20000117	89	120	1953	00/F900	695	2680	9	0.80	0.076	0.508	0.212
20000119	114	177	1954	00/F957	609	1850	5	0.82	0.065	0.282	0.121
20000119	114	178	1955	00/F958	598	1760	6	0.82	0.069	0.325	0.130
20000122	89	230	1956	00/F1010	525	1090	4	0.75	<0.050	0.223	0.131
20000122	89	231	1957	00/F1011	429	600	6	0.76	<0.050	0.214	0.115
20000123	89	311	1960	00/F1091	554	1220	5	0.72	0.067	0.288	0.080
20000123	89	312	1961	00/F1092	495	840	4	0.69	<0.050	0.180	0.066
20000123	114	309	1958	00/F1089	580	1720	5	0.88	<0.050	0.269	0.028
20000123	114	310	1959	00/F1090	634	2090	6	0.82	<0.050	0.291	0.077
20000124	89	339	1962	00/F1119	606	1670	5	0.75	<0.050	0.255	0.170
20000125	89	360	1965	00/F1140	537	1130	4	0.73	<0.050	0.201	0.056
20000125	114	355	1963	00/F1135	856	4300	21	0.69	0.178	1.078	0.181
20000125	114	359	1964	00/F1139	213	60	0	0.62	<0.050	0.058	0.087
YELLOW WALLEYE (*Stizostedion vitreum*)											
20000117	89	117	1966	00/F897	416	860	12	1.19	<0.050	0.315	0.131
20000119	89	180	1968	00/F960	285	210	11	0.91		0.282	
20000119	89	181	1969	00/F961	368	540	9	1.08		0.230	
20000119	140	168	1967	00/F948	536	2000	16	1.30	<0.050	0.372	0.213
20000121	89	219	1970	00/F999	613	3030		1.32	0.071	0.580	0.244
20000122	89	232	1971	00/F1012	390	621	9	1.05	<0.050	0.263	0.195
20000122	89	233	1972	00/F1013	267	170	10	0.89	0.081	0.482	0.381
20000122	114	280	1973	00/F1060	438	1000	9	1.19	<0.050	0.246	0.177
20000123	89	313	1974	00/F1093	355	500	14	1.12	<0.050	0.313	0.214
20000124	89	337	1977	00/F1117	408	800	9	1.18	0.064	0.286	0.238
20000124	89	338	1978	00/F1118	400	690	9	1.08	0.061	0.232	0.259
20000124	114	328	1976	00/F1108	468	1220	9	1.19	0.069	0.262	0.267
20000124	140	326	1975	00/F1106	406	680	9	1.02	<0.050	0.287	0.260
20000125	89	369	1981	00/F1149	424	850	9	1.12	0.063	0.283	0.338
20000125	89	370	1982	00/F1150	486	1320	10	1.15	0.090	0.285	0.342
20000125	89	371	1983	00/F1151	402	840	15	1.29	0.076	0.518	0.332
20000125	114	356	1980	00/F1136	456	1180	15	1.24			
20000125	140	350	1979	00/F1130	625	3050	23	1.25	0.061	0.822	0.168

[1] total length for burbot.

Appendix 8. Biological and tissue metals data from fish collected at McGill Lake, NT, in February 2000, organized by species, collection date, and gillnet mesh size.

DATE (yyyymmdd)	Gillnet Mesh (mm)	Sample Number: Field Collection	Sample Number: Lockhart	Sample Number: Metals Lab	Fork length (mm)[1]	Round weight (g)	Age (y)	Condition Factor	Total metal concentration in flesh (µg/g wet wt): As	Hg	Se
BURBOT (*Lota lota*)											
20000206	114	81	2141	00/F1240						0.104	
LAKE WHITEFISH (*Coregonus clupeaformis*)											
20000203	89	8	2068	00/F1167	361	640	5	1.36	0.052	0.238	0.173
20000203	89	9	2069	00/F1168	305	340	6	1.20	<0.050	0.150	0.198
20000203	89	10	2070	00/F1169	350	590	5	1.38	<0.050	0.211	0.164
20000203	89	11	2071	00/F1170	336	550	6	1.45	0.054	0.194	0.081
20000203	89	12	2072	00/F1171	408	1060	4	1.56	<0.050	0.126	0.091
20000203	89	13	2073	00/F1172	365	760	5	1.56	0.055	0.128	0.142
20000203	89	14	2074	00/F1173	372	760	6	1.48	<0.050	0.111	0.147
20000203	89	15	2075	00/F1174	372	780	10	1.52	<0.050	0.110	0.245
20000203	114	27	2087	00/F1186	383	870	6	1.55	0.053	0.102	0.164
20000203	114	28	2088	00/F1187	358	640	5	1.39	<0.050	0.148	0.105
20000203	114	29	2089	00/F1188	406	1090	6	1.63	<0.050	0.077	0.261
20000203	114	30	2090	00/F1189	380	780	5	1.42	<0.050	0.097	0.149
20000203	140	35	2095	00/F1194	380	750	6	1.37	0.081	0.170	0.129
20000204	89	56	2116	00/F1215	315	400	4	1.28		0.203	
20000204	89	57	2117	00/F1216	328	470	6	1.33		0.405	
20000204	114	63	2123	00/F1222	364	650	5	1.35		0.138	
20000204	140	45	2105	00/F1204	426	1300	8	1.68	<0.050	0.067	0.149
20000204	140	49	2109	00/F1208	424	1020	8	1.34		0.089	
20000205	140	64	2124	00/F1223	577	3100	17	1.61		0.189	
20000205	140	65	2125	00/F1224	424	1180	6	1.55		0.099	
20000205	140	66	2126	00/F1225	369	610	9	1.21		0.111	
20000206	89	89	2149	00/F1248	337	530	4	1.38		0.228	
20000206	140	74	2134	00/F1233	447	1390	6	1.56		0.099	
20000206	140	75	2135	00/F1234	425	1150	7	1.50		0.109	
20000206	140	76	2136	00/F1235	437	1270	8	1.52		0.190	
20000206	140	77	2137	00/F1236	414	1040	6	1.47		0.136	
20000207	140	90	2150	00/F1249	502	2120	13	1.68		0.123	
20000207	140	91	2151	00/F1250	445	1360	6	1.54		0.110	
20000208	89	97	2157	00/F1256	364	600	6	1.24	<0.050	0.179	0.183
NORTHERN PIKE (*Esox lucius*)											
20000202	89	3	2063	00/F1162	490	880	4	0.75	<0.050	0.661	0.158
20000203	89	16	2076	00/F1175	495	910	8	0.75	<0.050	0.568	0.128
20000203	89	17	2077	00/F1176	928	6250	28	0.78	<0.050	1.346	0.106
20000203	89	18	2078	00/F1177	453	690	6	0.74	<0.050	0.213	0.044
20000203	89	19	2079	00/F1178	512	880	7	0.66	<0.050	0.623	0.145
20000203	89	20	2080	00/F1179	486	780	6	0.68	<0.050	0.466	0.072
20000203	89	21	2081	00/F1180	516	880	7	0.64	<0.050	0.835	0.185
20000203	89	22	2082	00/F1181	514	950	8	0.70	<0.050	0.490	0.114
20000203	89	23	2083	00/F1182	470	840	6	0.81	<0.050	0.168	0.094
20000203	89	38	2098	00/F1197	555	1020	5	0.60	<0.050	0.844	0.152
20000203	114	33	2093	00/F1192	744	3090	7	0.75	<0.050	0.640	0.052
20000203	140	41	2101	00/F1200	728	2930	19	0.76	<0.050	1.018	0.135
20000204	89	54	2114	00/F1213	525	790	6	0.55		0.902	
20000204	89	58	2118	00/F1217	441	610	5	0.71		0.440	
20000204	89	59	2119	00/F1218	569	1300	8	0.71		0.773	
20000204	89	60	2120	00/F1219	465	690	5	0.69		0.237	
20000204	89	61	2121	00/F1220	474	801	4	0.75		0.514	
20000204	89	62	2122	00/F1221	480	680	5	0.61		0.645	

DATE (yyyymmdd)	Gillnet Mesh (mm)	Sample Number Field Collection	Lockhart	Metals Lab	Fork length (mm)[1]	Round weight (g)	Age (y)	Condition Factor	Total metal concentration in flesh (µg/g wet wt) As	Hg	Se
20000204	140	43	2103	00/F1202	880	5880	10	0.86	<0.050	0.937	0.146
20000204	140	44	2104	00/F1203	903	6290	15	0.85	0.065	1.174	0.101
20000205	89	73	2133	00/F1232	358	250	5	0.54		0.861	
20000206	89	86	2146	00/F1245	472	830	7	0.79		0.334	
20000206	89	87	2147	00/F1246	481	700	6	0.63		0.770	
20000206	89	88	2148	00/F1247	495	830	5	0.68		0.563	
20000207	89	93	2153	00/F1252	445	660	4	0.75		0.263	
20000207	89	94	2154	00/F1253	504	810	11	0.63		0.551	
20000207	89	95	2155	00/F1254	810	4530	11	0.85		1.621	
20000208	89	96	2156	00/F1255	968	7610	20	0.84	0.075	1.444	0.124
WHITE SUCKER (*Catostomus commersoni*)											
20000202	89	1	2061	00/F1160	466	1350		1.33	0.054	0.130	0.199
20000203	114	24	2084	00/F1183	433	1280		1.58	<0.050	0.127	0.199
20000203	114	25	2085	00/F1184	468	1780		1.74	<0.050	0.206	0.136
20000203	114	26	2086	00/F1185	504	2330		1.82	<0.050	0.262	0.210
20000203	114	31	2091	00/F1190	442	1340		1.55	<0.050	0.100	0.165
20000203	114	32	2092	00/F1191	446	1380		1.56	0.072	0.160	0.221
20000203	140	34	2094	00/F1193	470	1820		1.75	<0.050	0.217	0.106
20000204	114	50	2110	00/F1209	460	1410		1.45		0.165	
20000204	114	51	2111	00/F1210	497	2170		1.77		0.313	
20000204	114	53	2113	00/F1212	465	1610		1.60		0.189	
20000204	140	47	2107	00/F1206	500	2110		1.69		0.399	
20000205	89	71	2131	00/F1230	398	970		1.54		0.097	
20000205	114	70	2130	00/F1229	454	1510		1.61		0.255	
20000205	140	69	2129	00/F1228	527	2510		1.71		0.256	
20000206	114	83	2143	00/F1242	466	1650		1.63		0.193	
20000206	114	84	2144	00/F1243	496	2080		1.70		0.155	
20000206	140	80	2140	00/F1239	522	2290		1.61		0.276	
YELLOW WALLEYE (*Stizostedion vitreum*)											
20000202	89	2	2062	00/F1161	469	1240	10	1.20	0.051	1.215	0.295
20000202	114	4	2064	00/F1163	462	1060	18	1.07	<0.050	1.567	0.345
20000203	89	5	2065	00/F1164	408	840	9	1.24	0.051	0.853	0.259
20000203	89	6	2066	00/F1165	470	1250	9	1.20	0.060	0.846	0.313
20000203	89	7	2067	00/F1166	422	920	9	1.22	0.052	0.926	0.220
20000203	89	37	2097	00/F1196	373	600	4	1.16	<0.050	0.459	0.170
20000203	114	39	2099	00/F1198	533	2020	11	1.33	<0.050	0.781	0.213
20000203	114	40	2100	00/F1199	532	1550	18	1.03	0.056	1.710	0.268
20000203	140	36	2096	00/F1195	453	1410	10	1.52	<0.050	1.137	0.263
20000203	140	42	2102	00/F1201	599	2730	22	1.27	0.077	1.677	0.219
20000204	89	55	2115	00/F1214	470	1130	10	1.09		0.819	
20000204	114	52	2112	00/F1211	447	1020	14	1.14		1.111	
20000204	140	46	2106	00/F1205	668	3800	25	1.27		1.515	
20000204	140	48	2108	00/F1207	464	1090	15	1.09		1.726	
20000205	89	72	2132	00/F1231	374	610	4	1.17		0.474	
20000205	140	67	2127	00/F1226	477	1250	9	1.15		0.693	
20000205	140	68	2128	00/F1227	514	1680	10	1.24		1.255	
20000206	89	85	2145	00/F1244	460	1130	10	1.16		0.931	
20000206	114	82	2142	00/F1241	459	1140	14	1.18		1.200	
20000206	140	78	2138	00/F1237	545	2120	19	1.31		1.350	
20000206	140	79	2139	00/F1238	474	1320	9	1.24		1.117	
20000207	89	92	2152	00/F1251	496	1520	17	1.25		1.390	

[1] total length for burbot.

Appendix 9. Biological and tissue metals data from fish collected at "Reade" Lake, NT, in January 2000, organized by species, collection date, and gillnet mesh size.

DATE (yyyymmdd)	Gillnet Mesh (mm)	Sample Number: Field Collection	Sample Number: Lockhart	Sample Number: Metals Lab	Fork length (mm)[1]	Round weight (g)	Age (y)	Condition Factor	Total metal concentration in flesh (µg/g wet wt): As	Hg	Se
BURBOT (*Lota lota*)											
20000117	114	133	1984	00/F913	587	1700	6	0.84	0.050	0.098	0.225
20000117	114	134	1985	00/F914	590	1610	6	0.78	0.055	0.073	0.237
LAKE WHITEFISH (*Coregonus clupeaformis*)											
20000113	89	21			384	840	4	1.48			
20000113	89	27			350	620	4	1.45			
20000113	89	28			382	860	4	1.54			
20000113	89	29	1987	00/F809	322	500	3	1.50	0.060	0.095	0.105
20000113	89	30			371	770	4	1.51			
20000113	114	5	1986	00/F785	483	1790	8	1.59	0.057	0.187	0.096
20000113	114	6			375	730	4	1.38			
20000113	114	7			384	850	4	1.50			
20000113	114	8			370	780		1.54			
20000113	114	9			382	880	5	1.58			
20000113	114	10			365	730	5	1.50			
20000113	114	11			414	1060	4	1.49			
20000113	114	12			381	840	6	1.52			
20000113	114	13			330	520	4	1.45			
20000113	114	14			368	790	4	1.59			
20000113	114	15			428	1190	6	1.52			
20000113	114	16			336	520	4	1.37			
20000113	114	17			430	1260	6	1.58			
20000113	140	31			430	1120	8	1.41			
20000113	140	32			412	1040	5	1.49			
20000114	89	42	1988	00/F822	565	2850	24	1.58	0.055	0.296	0.089
20000114	89	43			238	180	2	1.34			
20000114	89	44			322	470	3	1.41			
20000114	89	45			369	710	3	1.41			
20000114	114	33			360	640	4	1.37			
20000114	114	34			363	700	4	1.46			
20000114	114	35			364	700	7	1.45			
20000114	114	36			364	690	4	1.43			
20000114	114	37			434	1300		1.59			
20000114	114	38			374	800	4	1.53			
20000114	114	39			374	740	4	1.41			
20000116	89	79			464	1550	7	1.55			
20000116	89	80	1996	00/F860	441	1400	5	1.63	0.053	0.161	0.089
20000116	89	81			257	240	2	1.41			
20000116	89	82	1997	00/F862	410	1070	4	1.55	0.054	0.146	0.063
20000116	89	83			385	870	4	1.52			
20000116	89	84	1998	00/F864	440	1390	5	1.63	0.060	0.143	0.101
20000116	89	85			355	660	4	1.48			
20000116	89	86			385	850	6	1.49			
20000116	89	87			366	700	3	1.43			
20000116	89	88	1999	00/F868	361	670	4	1.42	0.060	0.166	0.087
20000116	114	52			420	1190	6	1.61			
20000116	114	53			401	960	4	1.49			
20000116	114	54	1989	00/F834	564	3240		1.81	0.054	0.252	0.090
20000116	114	55			399	830	4	1.31			
20000116	114	56			374	730	4	1.40			
20000116	114	57			347	590	4	1.41			
20000116	114	58			357	610	4	1.34			

DATE	Gillnet	Sample Number			Fork	Round	Age	Condition	Total metal concentration in flesh (µg/g wet wt)		
(yyyymmdd)	Mesh	Field	Lockhart	Metals	length	weight	(y)	Factor			
	(mm)	Collection		Lab	(mm)[1]	(g)			As	Hg	Se
20000116	114	59	1990	00/F839	465	1550	8	1.54	0.054	0.178	0.103
20000116	114	60			383	880	4	1.57			
20000116	114	61			362	680	4	1.43			
20000116	114	62	1991	00/F842	325	540	3	1.57	0.062	0.099	0.098
20000116	114	63			388	790	4	1.35			
20000116	114	64			380	810	4	1.48			
20000116	114	65			385	840	4	1.47			
20000116	114	66	1992	00/F846	445	1470	5	1.67	0.051	0.093	0.149
20000116	114	67	1993	00/F847	425	1140	6	1.49	0.059	0.133	0.090
20000116	114	68	1994	00/F848	479	1810	9	1.65	0.056	0.183	0.121
20000116	114	69			410	1080	6	1.57			
20000116	114	70	1995	00/F850	470	1690	6	1.63	0.071	0.167	0.077
20000116	140	89			452	1540	6	1.67			
20000116	140	90	2000	00/F870	433	1200		1.48	0.055	0.106	0.080
20000116	140	91			374	730	4	1.40			
20000116	140	92	2001	00/F872	470	1740	9	1.68	0.055	0.130	0.116
20000116	140	93			432	1210	5	1.50			
20000116	140	94			445	1400	6	1.59			
20000118	89	149	2005	00/F929	383	990	4	1.76	0.059	0.120	0.088
20000118	89	150			393	880	4	1.45			
20000118	89	151			466	1660	8	1.64			
20000118	89	152			368	730	4	1.46			
20000118	89	153			355	640	4	1.43			
20000118	89	154			385	850	5	1.49			
20000118	89	155			365	740	5	1.52			
20000118	89	156			364	750		1.56			
20000118	89	157			379	850	4	1.56			
20000118	89	158			355	710	5	1.59			
20000118	89	159			368	770	4	1.55			
20000118	89	160			382	770	3	1.38			
20000118	114	135	2002	00/F915	512	2020	8	1.51	0.057	0.171	0.080
20000118	114	136			460	1530	7	1.57			
20000118	114	137			395	890	4	1.44			
20000118	114	138			381	820	3	1.48			
20000118	114	139	2003	00/F919	350	630	3	1.47	0.055	0.154	0.103
20000118	114	140			350	630	4	1.47			
20000118	114	141			385	810	4	1.42			
20000118	114	142			370	730	4	1.44			
20000118	114	143			368	720	4	1.44			
20000118	114	144			412	1060		1.52			
20000118	114	145	2004	00/F925	360	760	4	1.63	0.058	0.123	0.071
20000118	140	162			416	1170	7	1.63			
20000118	140	163	2006	00/F943	440	1290	5	1.51	0.057	0.130	0.063
20000118	140	164	2007	00/F944	436	1330	6	1.60	0.065	0.149	0.129
20000118	140	165	2008	00/F945	505	1920	10	1.49	0.052	0.142	0.100
20000118	140	166			415	1140	5	1.59			
20000118	140	167			432	1240	4	1.54			
20000120	89	200			303	360	3	1.29			
20000120	89	201			370	710	4	1.40			
20000120	89	202	2010	00/F982	344	540	3	1.33	0.058	0.147	0.102
20000120	89	203			310	410	3	1.38			
20000120	89	204			309	410	3	1.39			
20000120	89	205			368	730	4	1.46			
20000120	89	206	2011	00/F986	325	480	3	1.40	0.067	0.117	0.103
20000120	114	189			374	720	4	1.38			
20000120	114	190	2009	00/F970	415	1030	5	1.44	0.065	0.135	0.108
20000120	114	191			403	940	6	1.44			
20000120	114	192			368	790	3	1.59			
20000120	114	193			449	1490	7	1.65			

DATE (yyyymmdd)	Gillnet Mesh (mm)	Sample Number Field Collection	Lockhart	Metals Lab	Fork length (mm)[1]	Round weight (g)	Age (y)	Condition Factor	Total metal concentration in flesh (µg/g wet wt) As	Hg	Se
20000120	114	194			395	870	5	1.41			
20000120	114	195			366	660	4	1.35			
20000120	114	196			387	800	4	1.38			
20000120	114	197			354	640	4	1.44			
20000120	140	210	2012	00/F990	504	1860	8	1.45	0.059	0.113	0.094
20000122	89	285			350	640	4	1.49			
20000122	89	286			312	490	3	1.61			
20000122	89	287			456	1500	7	1.58			
20000122	89	288			330	490	3	1.36			
20000122	89	289			365	740	4	1.52			
20000122	89	290			376	730	4	1.37			
20000122	89	291			372	750	4	1.46			
20000122	89	292	2013	00/F1072	312	430	3	1.42	0.057	0.140	0.108
20000122	89	293	2014	00/F1073	298	390	3	1.47	0.056	0.102	0.084
20000122	114	299			400	890		1.39			
20000122	114	300			346	620	4	1.50			
20000122	114	301	2015	00/F1081	526	2810	9	1.93	0.051	0.116	0.167
20000122	114	302			386	810	4	1.41			
20000122	114	303			364	680	4	1.41			
NORTHERN PIKE (*Esox lucius*)											
20000113	89	18	2020	00/F798	450	650		0.71	<0.050	0.223	0.097
20000113	89	19	2021	00/F799	412	420	3	0.60	<0.050	0.385	0.092
20000113	89	20	2022	00/F800	672	2460	8	0.81	<0.050	0.655	0.087
20000113	89	22	2023	00/F802	517	980	4	0.71	<0.050	0.368	0.121
20000113	89	23	2024	00/F803	510	860	4	0.65	<0.050	0.236	0.076
20000113	89	24	2025	00/F804	471	730	3	0.70	<0.050	0.308	0.089
20000113	89	25	2026	00/F805	480	820	4	0.74	<0.050	0.283	0.076
20000113	89	26	2027	00/F806	412	550	3	0.79	<0.050	0.164	0.060
20000113	114	1	2016	00/F781	854	4500	13	0.72	0.052	0.908	0.072
20000113	114	2	2017	00/F782	632	1560	6	0.62	0.066	0.483	0.064
20000113	114	3	2018	00/F783	744	3030	12	0.74	0.084	1.025	0.079
20000113	114	4	2019	00/F784	555	1200	4	0.70	<0.050	0.466	0.081
20000114	89	46	2030	00/F826	482	800	4	0.71	<0.050	0.317	0.084
20000114	89	47	2031	00/F827	466	720	3	0.71	<0.050	0.281	0.096
20000114	89	48	2032	00/F828	460	690	4	0.71	<0.050	0.211	0.082
20000114	89	49	2033	00/F829	495	770	3	0.63	<0.050	0.346	0.127
20000114	114	40	2028	00/F820	624	1840	5	0.76	<0.050	0.406	0.078
20000114	114	41	2029	00/F821	765	3270	11	0.73	<0.050	0.540	0.064
20000116	89	71	2036	00/F851	505	870	4	0.68	<0.050	0.250	0.075
20000116	89	72	2037	00/F852	686	2150	6	0.67	<0.050	0.464	0.021
20000116	89	73	2038	00/F853	696	2190	7	0.65	<0.050	0.530	0.066
20000116	89	74	2039	00/F854	584	1370	5	0.69	<0.050	0.409	0.080
20000116	89	75	2040	00/F855	489	850	5	0.73	<0.050	0.261	0.082
20000116	89	76	2041	00/F856	470	730	3	0.70	<0.050	0.218	0.060
20000116	89	77	2042	00/F857	470	700	4	0.67	<0.050	0.211	0.021
20000116	89	78	2043	00/F858	488	820	4	0.71	<0.050	0.180	0.075
20000116	114	50	2034	00/F830	670	2080	7	0.69	0.066	0.621	0.098
20000116	114	51	2035	00/F831	816	3500	8	0.64	0.052	0.849	0.086
20000118	89	161	2047	00/F941	524	1030	5	0.72	<0.050	0.384	0.112
20000118	114	146	2044	00/F926	598	1530	5	0.72	<0.050	0.493	0.095
20000118	114	147	2045	00/F927	809	3600	9	0.68	<0.050	0.699	0.074
20000118	114	148	2046	00/F928	653	2080	9	0.75	<0.050	0.479	0.080
20000120	89	207	2050	00/F987	500	880	4	0.70	<0.050	0.371	0.081
20000120	89	208	2051	00/F988	552	1210	5	0.72	<0.050	0.317	0.067
20000120	89	209	2052	00/F989	458	680	4	0.71	<0.050	0.310	0.084
20000120	114	198	2048	00/F978	692	2380	8	0.72	<0.050	0.323	0.040
20000120	114	199	2049	00/F979	682	2190	8	0.69	<0.050	0.553	0.075
20000122	89	282	2053	00/F1062	748	3000	9	0.72	<0.050	0.618	0.100

DATE (yyyymmdd)	Gillnet Mesh (mm)	Sample Number			Fork length (mm)[1]	Round weight (g)	Age (y)	Condition Factor	Total metal concentration in flesh (µg/g wet wt)		
		Field Collection	Lockhart	Metals Lab					As	Hg	Se
20000122	89	283	2054	00/F1063	495	900	4	0.74	<0.050	0.281	0.080
20000122	89	284	2055	00/F1064	505	910	5	0.71	<0.050	0.266	0.067
20000122	89	294	2056	00/F1074	500	900	4	0.72	<0.050	0.274	0.090
20000122	114	295	2057	00/F1075	820	3960	10	0.72	<0.050	0.771	0.073
20000122	114	296	2058	00/F1076	714	2630	11	0.72	<0.050	0.687	0.069
20000122	114	297	2059	00/F1077	650	1870	5	0.68	<0.050	0.427	0.070
20000122	114	298	2060	00/F1078	688	2260	6	0.69	<0.050	0.514	0.070

[1] total length for burbot.

Appendix 10. Biological data from fish collected at "Sanguez" Lake, NT, in December 1996, organized by species, collection date and gillnet mesh size.

DATE (yyyymmdd)	Gillnet Mesh (mm)	Sample Number Field Collection	Lockhart	Metals Lab	Fork length (mm)	Round weight (g)	Age (y)	Sex	Condition Factor	Metal concentration in flesh (µg/g wet wt) Total As	MeHg	Total Hg	Total Se
CISCO (*Coregonus* sp.)													
19961210	89	22			270	270	7		1.37				
19961210	89	27			260	260	8		1.48				
19961211	89	54	763	97-363	264	300	8	F	1.63	0.06		0.153	0.10
19961211	89	55	764	97-364	255	240	7		1.45	0.05		0.134	0.12
19961211	114	68	765	97-365	250	230	6	F	1.47	<0.05		0.085	0.11
19961211	114	69	766	97-366	259	230	6	M	1.32	0.05		0.080	0.13
19961213	89	100	767	97-367	268	265	7		1.38	0.06		0.177	0.10
19961213	89	101	768	97-368	276	275	7		1.31	0.13		0.140	0.13
19961213	89	102	769	97-369	283	320	9		1.41	0.12		0.205	0.13
19961213	89	103	770	97-370	249	250	7		1.62	0.10		0.110	0.12
19961215	89	104	771	97-371	249	240	7		1.55	0.10		0.139	0.13
19961215	89	108	772	97-372	278	280	10		1.30	0.11		0.293	0.14
19961215	89	109	773	97-373	290	320	7		1.31	0.10		0.184	0.15
19961215	114	120	774	97-374	278	310	9		1.44	0.11		0.191	0.13
LAKE WHITEFISH (*Coregonus clupeaformis*)													
19961209	114	15	819	97-419	490	1680	10	F	1.43	0.08		0.142	0.15
19961209	114	16	820	97-420	531	2080	17		1.39	0.07		0.195	0.17
19961209	133	4	815	97-415	471	1870	11	M	1.79	0.07		0.162	0.11
19961209	133	5	816	97-416	533	2250	11	F	1.49	0.10		0.107	0.14
19961209	133	6	817	97-417	513	1890	10	F	1.40	0.08		0.261	0.16
19961209	133	7	818	97-418	433	1110	7	F	1.37	0.09		0.080	0.21
19961210	89	26	821	97-421	425	1130	6		1.47	0.08		0.116	0.22
19961210	89	28	822	97-422	443	1130	7		1.30	0.06		0.102	0.18
19961210	133	38	823	97-423	534	2450		F	1.61	0.05		0.130	0.11
19961210	133	39	824	97-424	515	2230	12	F	1.63	0.05		0.147	0.13
19961210	133	40	825	97-425	494	1920	11		1.59	0.07		0.129	0.12
19961211	133	56	826	97-426	524	2010	10	F	1.40	0.08		0.154	0.10
19961211	133	57	827	97-427	500	2060	9	F	1.65	0.07		0.152	0.12
19961211	133	58	828	97-428	503	1790	12	F	1.41	0.05		0.234	0.19
19961211	133	59	829	97-429	412	1220	9	M	1.74	0.06		0.141	0.13
19961211	133	60	830	97-430	488	1660	12	F	1.43	0.10		0.213	0.20
19961211	133	81	831	97-431	500	1960	8	M	1.57	<0.05		0.106	0.14
19961212	133	82	832	97-432	515	2060	9	F	1.51	<0.05		0.182	0.09
19961212	133	83	833	97-433	519	2070	10	F	1.48	<0.05		0.175	0.16
19961213	89	97			553	2175	18	M	1.29				
19961213	133	90	834	97-434	509	2020	9	F	1.53	0.05		0.154	0.13
19961213	133	91			525	2225	10	F	1.54				
19961215	114	122			568	2710	18	M	1.48				
19961215	114	123			530	2100		M	1.41				
19961215	133	124			500	1810	11	M	1.45				
19961215	133	125			497	1900	16	M	1.55				
19961215	133	126			538	2530	12	F	1.62				
19961215	133	127			508	1910	12	M	1.46				
19961215	133	128			545	2280		M	1.41				
19961217	114	144			576	2880	16	F	1.51				
19961217	133	133			475	1630	13	F	1.52				
NORTHERN PIKE (*Esox lucius*)													
19961209	114	17	778	97-378	638	1870	6	F	0.72	<0.05		0.584	0.12
19961209	114	18	779	97-379	601	1570	9	F	0.72	<0.05		0.738	0.11
19961209	133	1	775	97-375	669	2470	11	M	0.82	<0.05		0.801	0.11

DATE	Gillnet	Sample Number			Fork	Round	Age	Sex	Condition	Metal concentration in flesh (µg/g wet wt)			
(yyyymmdd)	Mesh	Field	Lockhart	Metals	length	weight	(y)		Factor				
	(mm)	Collection		Lab	(mm)	(g)				Total As	MeHg	Total Hg	Total Se
19961209	133	2	776	97-376	812	4330	11	F	0.81	<0.05	0.850	0.932	0.11
19961209	133	3	777	97-377	718	2490	9	F	0.67	<0.05		0.611	0.13
19961210	89	19	780	97-380	669	2350	11	F	0.78	<0.05		0.633	0.11
19961210	89	20	781	97-381	578	1420	10	M	0.74	<0.05		0.560	0.15
19961210	89	21	782	97-382	511	940	6	M	0.70	<0.05	0.412	0.405	0.19
19961210	114	41	791	97-391	662	2310	12	F	0.80	<0.05		0.791	0.12
19961210	114	42	792	97-392	618	1780	7	F	0.75	<0.05		0.559	0.12
19961210	114	43	793	97-393	626	1820	7	F	0.74	<0.05	0.433	0.526	0.10
19961210	133	30	783	97-383	646	2060	7	F	0.76	<0.05		0.528	0.12
19961210	133	31	784	97-384	661	2420	10	M	0.84	<0.05	0.633	0.600	0.14
19961210	133	32	785	97-385	736	2600	12	F	0.65	<0.05	0.766	0.954	0.09
19961210	133	33	786	97-386	773	3840	12	F	0.83	<0.05		0.796	0.10
19961210	133	34	787	97-387	877	4730	13	F	0.70	<0.05	0.981	1.091	0.15
19961210	133	35	788	97-388	723	3360	7	F	0.89	<0.05		0.570	0.13
19961210	133	36	789	97-389	686	2810	12	M	0.87	<0.05		0.724	0.11
19961210	133	37	790	97-390	674	2370	11	F	0.77	<0.05		0.691	0.12
19961211	133	61	794	97-394	778	3700	10	F	0.79	<0.05	0.827	0.962	0.10
19961211	133	62			747	3030	14	F	0.73				
19961212	89	84			695	2470	14	F	0.74				
19961212	89	85			603	1910	9	M	0.87				
19961212	89	87			534	1120	6	M	0.74				
19961212	114	73			594	1440	7	F	0.69				
19961212	133	74			766	3840	11	F	0.85				
19961212	133	75			668	2330	8	M	0.78				
19961212	133	76			678	2620	9	F	0.84				
19961212	133	77			722	3230	11	M	0.86				
19961212	133	78			685	2440	12	M	0.76				
19961212	133	79			665	2320	11	M	0.79				
19961212	133	80			660	2660	6	F	0.93				
19961213	89	98			669	2040	7	F	0.68				
19961213	114	96			869	4700	12	F	0.72				
19961213	133	93			762	2970	12	F	0.67				
19961215	89	110			632	2100	10	F	0.83				
19961215	89	111			669	2280	8	F	0.76				
19961215	89	112			576	1490	7	F	0.78				
19961215	114	121			625	1910	8	F	0.78				
19961215	133	129			695	2350	11	F	0.70				
19961215	133	130			703	2840	11	F	0.82				
19961215	133	131			616	2110	7	M	0.90				
19961217	114	139			665	2310	10	F	0.79				
19961217	114	140			760	3580	9	F	0.82				
19961217	114	141			697	2600	9	F	0.77				
19961217	114	142			688	2910	14	M	0.89				
19961217	114	143			666	2640	9	F	0.89				
YELLOW WALLEYE (*Stizostedion vitreum*)													
19961209	114	8	795	97-395	512	1630	11	F	1.21	0.09		0.570	0.22
19961209	114	9	796	97-396	408	780	7	M	1.15	0.09		0.445	0.21
19961209	114	10	797	97-397	435	960	12	M	1.17	0.06		0.542	0.23
19961209	114	11	798	97-398	434	1040	10	M	1.27	0.07		0.575	0.24
19961209	114	12	799	97-399	410	860	11	M	1.25	0.07		0.557	0.25
19961209	114	13	800	97-400	444	1130	7	F	1.29	0.08		0.408	0.20
19961209	114	14	801	97-401	412	890	8		1.27	<0.05		0.415	0.24
19961210	89	23	802	97-402	493	1430	8	F	1.19	<0.05		0.402	0.22
19961210	89	24	803	97-403	445	1070	10	M	1.21	<0.05		0.509	0.24
19961210	89	25	804	97-404	416	740	9	M	1.03	<0.05		0.537	0.25
19961210	89	29	805	97-405	432	920	7	M	1.14	<0.05		0.370	0.23
19961210	114	44	806	97-406	443	1050	9	F	1.21	<0.05		0.661	0.27
19961210	114	45	807	97-407	396	760	7	M	1.22	<0.05		0.440	0.26

DATE	Gillnet	Sample Number			Fork	Round	Age	Sex	Condition	Metal concentration in flesh (µg/g wet wt)			
(yyyymmdd)	Mesh	Field	Lockhart	Metals	length	weight	(y)		Factor				
	(mm)	Collection		Lab	(mm)	(g)				Total As	MeHg	Total Hg	Total Se
19961210	114	46	808	97-408	413	850	11	M	1.21	<0.05		0.803	0.27
19961210	114	47	809	97-409	411	810	10	M	1.17	<0.05		0.573	0.26
19961210	114	48	810	97-410	442	1160	10	M	1.34	<0.05		0.670	0.26
19961210	114	49	811	97-411	424	880	10	M	1.15	<0.05		0.434	0.22
19961210	114	50	812	97-412	560	2290	13	F	1.30	<0.05		0.760	0.19
19961211	89	51	813	97-413	460	1290	9	M	1.33	<0.05		0.530	0.22
19961211	89	52	814	97-414	408	870	9	M	1.28	<0.05		0.580	0.26
19961211	89	53			418	880	10	M	1.20				
19961211	114	63			406	830	9	M	1.24				
19961211	114	64			450	1050	13	M	1.15				
19961211	114	65			550	2290	10	F	1.38				
19961211	114	66			450	1090	12	M	1.20				
19961211	114	67			416	840	10	M	1.17				
19961211	114	70			422	910	9	M	1.21				
19961212	89	86			475	1220	14	M	1.14				
19961212	89	88			366	490	10	M	1.00				
19961212	89	89			450	1030	10	M	1.13				
19961212	114	71			473	1330	8	F	1.26				
19961212	114	72			400	800	9	M	1.25				
19961213	89	99			458	1275	9	F	1.33				
19961213	114	94			459	1200	12	F	1.24				
19961213	114	95			491	1555	11	F	1.31				
19961213	133	92			471	1400	10	F	1.34				
19961215	89	105			424	1000	9	M	1.31				
19961215	89	106			427	900	10	M	1.16				
19961215	89	107			373	730	8	M	1.41				
19961215	114	113			398	810	7	M	1.28				
19961215	114	114			420	1000	10	M	1.35				
19961215	114	115			455	1070	10	M	1.14				
19961215	114	116			429	960	10	M	1.22				
19961215	114	117			500	1760	9	F	1.41				
19961215	114	118			446	1020	10	M	1.15				
19961215	114	119			476	1320	11	F	1.22				
19961217	114	135			456	1310	10	F	1.38				
19961217	114	136			470	1440	13	M	1.39				
19961217	114	138			462	1180	13	M	1.20				
19961217	133	134			623	3160	13	F	1.31				

Appendix 11. Biological and tissue metals data from fish collected at Sibbeston Lake, NT, in November and December 1997, organized by species and field collection number.

DATE* (yyyymmdd)	Gillnet Mesh (mm)	Sample Number			Fork length (mm)	Round weight (g)	Age (y)	Sex	Maturity	Condition Factor	Total metal concentration in flesh (µg/g wet wt)		
		Field Collection	Lockhart	Metals Lab							As	Hg	Se
LAKE WHITEFISH (*Coregonus clupeaformis*)													
19971100	114	1	1061	98/F58	351	700	6	M	6	1.62	0.055	0.041	0.30
19971100	140	2	1062	98/F59	440	1260	17	M	6	1.48	<0.050	0.077	0.17
19971100	114	3	1063	98/F60	398	890	7	F	1	1.41	0.058	0.068	0.23
19971100	114	4	1064	98/F61	510	2040		M	6	1.54	<0.050	0.072	0.29
19971100	114	5	1065	98/F62	394	1000	8	I	0	1.63	<0.050	0.048	0.22
19971100	140	6	1066	98/F63	468	1520	17	F	4	1.48	<0.050	0.090	0.18
19971100	114	7	1067	98/F64	426	1100	14	F	4	1.42	<0.050	0.084	0.16
19971100	140	8	1068	98/F65	435	1080	16	F	4	1.31	0.056	0.089	0.24
19971100	114	9	1069	98/F66	400	960	11	F	4	1.13	<0.050	0.064	0.23
19971100	114	10	1070	98/F67	426	1070	11	F	4	1.38	<0.050	0.074	0.24
19971100	140	11	1071	98/F68	460	1410	21	F	4	1.45	<0.050	0.118	0.20
19971100	114	12	1072	98/F69	498	1730	21	F	4	1.40	<0.050	0.084	0.27
19971100	140	13	1073	98/F70	385	850	12	M	9	1.49		0.044	0.25
19971100	140	14	1074	98/F71	502	1810	25	F	4	1.43		0.109	0.21
19971100	140	15	1075	98/F72	474	1630	21	M	9	1.53		0.098	0.23
19971100	114	16	1076	98/F73	462	1360	10			1.38		0.057	0.23
19971100	114	17	1077	98/F74	420	1360	16	M	9	1.84		0.072	0.14
19971100	114	18	1078	98/F75	366	760	5	F	1	1.55		0.028	0.23
19971100	114	19	1079	98/F76	400	980	8	F	1	1.53		0.048	0.20
19971100	114	20	1080	98/F77	346	660	7	M	6	1.59		0.035	0.24
19971100	114	21	1081	98/F78	396	980	8	M	6	1.58		0.042	0.26
19971100	114	22	1082	98/F79	344	640	6	F	1	1.57		0.040	0.26
19971100	114	23	1083	98/F80	390	870	9	M	9	1.47		0.060	0.12
19971100	140	24	1084	98/F81	456	1300		F	4	1.37		0.091	0.19
19971100	114	25	1085	98/F82	389	910	7	M	6	1.55		0.055	0.21
19971100	114	26	1086	98/F83	415	1220		M	6	1.71		0.082	0.18
19971100	114	27	1087	98/F84	385	920	6	F	1	1.61		0.034	0.25
19971100	114	28	1088	98/F85	422	1300	10	M	9	1.73		0.045	0.26
19971100	114	29	1089	98/F86	378	870	8	F	4	1.61		0.057	0.24
19971100	114	30	1090	98/F87	416	1150	12	M	9	1.60		0.078	0.23
19971100	114	31	1091	98/F88	438	1340	11	M	9	1.59		0.083	0.11
19971100	114	32	1092	98/F89	360	710	5	F	1	1.52		0.041	0.30
19971100	114	33	1093	98/F90	370	740	5	F	1	1.46		0.041	0.24
19971100	114	34	1094	98/F91	426	1320	13	M	10	1.71		0.065	0.23
19971100	114	35	1095	98/F92	434	1180	12	F	4	1.44		0.071	0.32
19971100	114	36	1096	98/F93	465	1600	10	F	4	1.59		0.084	0.30
19971100	114	37	1097	98/F94	454	1390	24	M	10	1.49		0.039	0.39
19971100	114	38	1098	98/F95	418	1100	7	M	9	1.51		0.060	<.05
19971100	114	39	1099	98/F96	440	1360	20	F	4	1.60		0.090	0.19
19971100		40	1100	98/F97	422	1130	12	F	4	1.50		0.077	0.06
19971100	114	41	1101	98/F98	470	1370		M	9	1.32		0.081	0.16
19971100	140	42	1102	98/F99	408	1040	7	M	9	1.53		0.089	0.32
19971100	114	43	1103	98/F100	348	630	5	M	6	1.49		0.040	0.22
19971100	140	44	1104	98/F101	408	1020	6	M	10	1.50		0.108	0.28
19971100	140	45	1105	98/F102	406	1080	11	F	5	1.61		0.088	0.33
19971100	114	46	1106	98/F103	382	880	6	F	5	1.58		0.047	0.29
19971100	114	47	1107	98/F104	490	1770	23	F	1	1.50		0.081	0.31
19971100	140	48	1108	98/F105	406	1070	10	M	9	1.60		0.064	0.27
19971100	140	49	1109	98/F106	490	2200	19	I	0	1.87		0.072	0.30
19971100	140	50	1110	98/F107	430	1230	11	F	4	1.55		0.062	0.41
19971100	140	51	1111	98/F108	385	910	6	F	5	1.59		0.034	0.32
19971100	140	52	1112	98/F109	400	1010	7	M	10	1.58		0.043	0.37

DATE* (yyyymmdd)	Gillnet Mesh (mm)	Sample Number Field Collection	Lockhart	Metals Lab	Fork length (mm)	Round weight (g)	Age (y)	Sex	Maturity	Condition Factor	Total metal concentration in flesh (µg/g wet wt) As	Hg	Se
19971100	140	53	1113	98/F110	428	1180	10	F	4	1.51		0.065	0.34
19971100	140	54	1114	98/F111	506	2490	18	F	4	1.92		0.204	0.15
19971100	140	55	1115	98/F112	476	1580	21	F	4	1.46		0.076	0.29
19971100	140	56	1116	98/F113	430	1220	9	F	5	1.53		0.068	0.32
19971100	114	57	1117	98/F114	448	1220	22	F	5	1.36		0.095	0.35
19971100	140	58	1118	98/F115	406	1120	9	M	10	1.67		0.050	0.24
19971100	140	59	1119	98/F116	418	1150	11	M	10	1.57		0.066	0.32
19971100	140	60	1120	98/F117	414	1076	8	F	5	1.52		0.072	0.37
19971100	114	61	1121	98/F118	415	1280	13	M	6	1.79		0.052	0.32
19971100	114	62	1122	98/F119	542	2900	24	I	0	1.82		0.091	0.22
19971100	140	63	1123	98/F120	435	1110	13	F	5	1.35		0.068	0.33
19971100	114	64	1124	98/F121	334	610	7	M	6	1.64		0.031	0.29
19971100	140	65	1125	98/F122	470	1670	24	M	6	1.61		0.107	0.45
19971100	114	66	1126	98/F123	500	1760		F	4	1.41		0.099	0.29
19971100	114	67	1127	98/F124	416	1040	15	F	5	1.44		0.077	0.36
19971100	114	68	1128	98/F125	390	830	9	F	5	1.40		0.049	0.26
19971100	140	69	1129	98/F126	432	1310	13	U	11	1.62		0.057	0.33
19971100	140	70	1130	98/F127	413	1020	10	M	10	1.45		0.059	0.33
19971100	114	71	1131	98/F128	426	1120	14	F	5	1.45		0.124	0.32
19971100	114	72	1132	98/F129	378	900	7	M	10	1.67		0.053	0.39
19971100	140	73	1133	98/F130	415	1220	10	M	6	1.71		0.070	0.33
19971100	140	74	1134	98/F131	425	1260	11	M	10	1.64		0.084	0.40
19971100	114	75	1135	98/F132	442	1330	14	M	10	1.54		0.069	0.38
19971100	114	76	1136	98/F133	390	880	7	M	10	1.48		0.053	0.37
19971100	114	77	1137	98/F134	472	1500	21	M	6	1.43		0.085	0.30
19971100	114	78	1138	98/F135	416	1110	9	M	10	1.54		0.056	0.27
19971100	114	79	1139	98/F136	464	1500	21	M	10	1.50		0.067	0.23
19971100	140	80	1140	98/F137	440	1220	16	M	10	1.43		0.088	0.23
19971100	114	81	1141	98/F138	350	650	6	M	6	1.52		0.041	0.20
19971100	140	82	1142	98/F139	412	1090	15	M	9	1.56		0.088	0.19
19971100	114	83	1143	98/F140	436	1200	16	M	10	1.45		0.077	0.20
19971100	140	84	1144	98/F141	410	1210	10	M	10	1.76		0.066	0.23
19971100	140	85	1145	98/F142	410	1060	12	M	10	1.54		0.081	0.23
19971100	114	86	1146	98/F143	432	1050	8	F	5	1.30		0.081	0.20
19971100	140	87	1147	98/F144	410	1160	11	M	10	1.68		0.056	0.26
19971100	140	88	1148	98/F145	394	910	8	F	5	1.49		0.045	0.24
19971100	140	89	1149	98/F146	440	1070	24	F	4	1.26		0.129	0.18
19971100	114	90	1150	98/F147	390	870	7	M	10	1.47		0.058	0.15
19971100	114	91	1151	98/F148	430	1090	20	F	4	1.37		0.137	0.23
19971100	140	92	1152	98/F149	444	1350	9	F	4	1.54		0.064	0.24
19971100	140	93	1153	98/F150	408	1070	10	U	11	1.58		0.084	0.25
19971100	140	94	1154	98/F151	390	890	9	F	5	1.50		0.081	0.28
19971100	140	95	1155	98/F152	423	1180	12	F	5	1.56		0.072	0.28
19971100	140	96	1156	98/F153	441	1110	12	M	10	1.29		0.052	0.26
19971100	140	97	1157	98/F154	385	870	11	M	6	1.52		0.074	0.23
19971100		98	1158	98/F155	453	1400	19	F	5	1.51		0.107	0.24
19971100	140	99	1159	98/F156	441	1370	12	M	10	1.60		0.071	0.25
19971100	114	100	1160	98/F157	415	1080	6	M	10	1.51		0.050	0.21
19971100	140	101	1161	98/F158	410	1040	10	M	10	1.51		0.058	0.23
19971100	140	102	1162	98/F159	461	1250	13	M	10	1.28		0.067	0.19
19971100	140	103	1163	98/F160	414	1020	11	F	4	1.44		0.072	0.23
19971100	140	104	1164	98/F161	455	1750	19	F	4	1.86		0.089	0.22
19971100	140	105	1165	98/F162	404	1060		M	10	1.61		0.073	0.28
19971100	114	106	1166	98/F163	443	1290	12	F	1	1.48		0.066	0.19
19971100	140	107	1167	98/F164	440	1210	16	F	5	1.42		0.095	0.30
19971100	140	108	1168	98/F165	401	990	7	F	1	1.54		0.047	0.30
19971100	114	109	1169	98/F166	381	810	7	M	6	1.46		0.059	0.26
19971100	114	110	1170	98/F167	570	1580	15	F	4	0.85		0.084	0.16
19971100	114	111	1171	98/F168	346	680	6	F	1	1.64		0.032	0.18

DATE* (yyyymmdd)	Gillnet Mesh (mm)	Sample Number Field Collection	Lockhart	Metals Lab	Fork length (mm)	Round weight (g)	Age (y)	Sex	Maturity	Condition Factor	Total metal concentration in flesh (µg/g wet wt) As	Hg	Se
19971100		112	1172	98/F169	485	1600		M	10	1.40		0.089	0.21
19971100	140	113	1173	98/F170	470	1440	14	F	5	1.39		0.092	0.24
19971100	140	114	1174	98/F171	442	1200	22	F	5	1.39		0.090	0.25
19971100	140	115	1175	98/F172	476	1380	16	M	10	1.28		0.065	0.30
19971100	140	116	1176	98/F173	426	1170	11	M	6	1.51		0.073	0.26
19971100	114	117	1177	98/F174	443	1270	12	M	6	1.46		0.074	0.22
19971100	140	118	1178	98/F175	389	890	6	M	6	1.51		0.058	0.16
19971100	140	119	1179	98/F176	410	1170	10	M	6	1.70		0.065	0.19
19971100	114	120	1180	98/F177	360	700	8	M	6	1.50		0.041	0.21
19971100	114	121	1181	98/F178	437	1320	10	M	10	1.58		0.060	0.25
19971100	140	122	1182	98/F179	415	1150	14	M	10	1.61		0.100	0.22
19971100	140	123	1183	98/F180	427	1140	16	M	10	1.46		0.082	0.21
19971100	140	124	1184	98/F181	402	980	8	M	10	1.51		0.045	0.22
19971100	140	125	1185	98/F182	405	1000	13	M	10	1.51		0.080	0.17
19971100	114	126	1186	98/F183	419	1150	15	F	5	1.56		0.093	0.23
19971100	114	127	1187	98/F184	403	960	9	F	5	1.47		0.076	0.21
19971100	114	128	1188	98/F185	375	820	8	M	6	1.55		0.039	0.17
19971100	140	129	1189	98/F186	385	850	7	F	5	1.49		0.045	0.13
19971100	140	130	1190	98/F187	421	1220	8	M	10	1.63		0.055	0.28
19971100	140	131	1191	98/F188	431	1320	14	M	6	1.65		0.073	0.12
19971100	114	132	1192	98/F189	419	1150	14	M	10	1.56		0.085	0.18
19971100	114	133	1193	98/F190	421	1230	10	M	10	1.65		0.071	0.11
19971100	114	134	1194	98/F191	315	710	7	F	1	2.27		0.039	0.31
19971100	114	135	1195	98/F192	397	1010	10	M	10	1.61		0.069	0.24
19971100	140	136	1196	98/F193	405	940	10	F	4	1.42		0.086	0.25
19971100	114	137	1197	98/F194	429	1300	9	M	10	1.65		0.062	0.25
19971100	140	138	1198	98/F195	439	1320	16	M	10	1.56		0.098	0.14
19971100	140	139	1199	98/F196	421	1180	10	M	10	1.58		0.070	0.19
19971100	114	140	1200	98/F197	434	1100	11	F	4	1.35		0.110	0.21
19971100	114	141	1201	98/F198	383	930	8	F	5	1.66		0.050	0.33
19971100	114	142	1202	98/F199	404	1030	10			1.56		0.073	0.30
19971100	114	143	1203	98/F200	414	1200	11	M	6	1.69		0.066	0.30
NORTHERN PIKE (*Esox lucius*)													
19971100	140	1	1209	98/F206	685	2770	16	M	6	0.86	0.060	0.202	0.16
19971100	140	2	1210	98/F207	656	2200	12	F	5	0.78	<0.050	0.127	0.14
WHITE SUCKER (*Catostomus commersoni*)													
19971100	114	1	1211	98/F208	420	1120		F	1	1.51	<0.050	0.047	0.15
19971100	140	2	1212	98/F209	497	2080		M	7	1.69	<0.050	0.106	0.15
19971100	140	3	1213	98/F210	545	2770		F	2	1.71	<0.050	0.175	0.31
19971100	140	4	1214	98/F211	505	2230		F	2	1.73	<0.050	0.142	0.20
19971100	140	5	1215	98/F212	527	2220		F	2	1.52	<0.050	0.187	0.21
19971100	140	6	1216	98/F213	520	2100		F	2	1.49	<0.050	0.083	0.17
19971100	140	7	1217	98/F214	531	2310		F	2	1.54	<0.050	0.204	0.16
YELLOW WALLEYE (*Stizostedion vitreum*)													
19971100	140	1	1204	98/F201	554	2030	18	F	2	1.19	0.470	0.335	0.14
19971100	140	2	1205	98/F202	435	960	21	M	6	1.17	<0.050	0.436	0.12
19971100	140	3	1206	98/F203	450	1140	18	M	6	1.25	<0.050	0.452	0.12
19971100	114	4	1207	98/F204	483	1350	17	F	1	1.20	<0.050	0.199	0.19
19971100	140	5	1208	98/F205	418	660	12	M	6	0.90	<0.050	0.211	0.19

* Fish were caught in November 1997. The day of capture was not recorded.

Appendix 12. Biological and tissue metals data from fish collected at Tsetso Lake, NT, in December 1997, organized by species and field collection number.

DATE	Gillnet	Sample Number			Fork	Round	Age	Sex	Maturity	Condition	Total metal concentration in flesh (µg/g wet wt)		
(yyyymmdd)	Mesh	Field	Lockhart	Metals	length	weight	(y)			Factor			
	(mm)	Collection		Lab	(mm)	(g)					As	Hg	Se
LAKE WHITEFISH (*Coregonus clupeaformis*)													
19971200	114	1	1218	98/F215	420	1170	13	M	6	1.58		0.044	0.16
19971200	114	2	1219	98/F216	446	1010	23	F	5	1.14		0.102	0.16
19971200	114	3	1220	98/F217	457	1010	10	F	5	1.06		0.046	0.13
19971200	114	4	1221	98/F218	428	1070		M	10	1.36		0.105	<0.05
19971200	114	5	1222	98/F219	457	1390	23	M	10	1.46		0.078	0.21
19971200	114	6	1223	98/F220	385	760	12	F	5	1.33		0.107	0.21
19971200	114	7	1224	98/F221	434	1120	23	M	10	1.37		0.107	0.19
19971200	114	8	1225	98/F222	431	1160	12	M	6	1.45		0.051	0.17
19971200	114	9	1226	98/F223	404	1010	13	M	6	1.53		0.055	0.14
19971200	114	10	1227	98/F224	378	830	11	F	1	1.54		0.083	0.08
19971200	114	11	1228	98/F225	381	830		M	6	1.50		0.032	0.16
19971200	114	12	1229	98/F226	415	1000	13	M	10	1.40		0.047	0.19
19971200	114	13	1230	98/F227	419	1030	13	F	5	1.40		0.148	0.10
19971200	114	14	1231	98/F228	432	1080	13	F	5	1.34		0.069	0.13
19971200	114	15	1232	98/F229	440	1300	16	M	10	1.53		0.046	0.17
19971200	114	16	1233	98/F230	377	710	8	F	5	1.33		0.036	0.19
19971200	114	17	1234	98/F231	406	890	17	F	5	1.33		0.080	0.20
19971200	114	18	1235	98/F232	414	1020	12	F	5	1.44		0.050	0.19
19971200	114	19	1236	98/F233	435	1110	21	M	10	1.35		0.060	0.13
19971200	114	20	1237	98/F234	444	1170	15	M	10	1.34		0.099	0.20
19971200	114	21	1238	98/F235	436	1240	22	M	6	1.50		0.072	0.14
19971200	114	22	1239	98/F236	430	950		M	6	1.19		0.087	0.07
19971200	114	23	1240	98/F237	367	710	7	F	5	1.44		0.043	0.10
19971200	114	24	1241	98/F238	402	1010	12	M	10	1.55		0.041	0.20
19971200	114	25	1242	98/F239	404	1010	13	F	5	1.53		0.056	0.24
19971200	114	26	1243	98/F240	387	870	15	M	6	1.50		0.038	0.18
19971200	114	27	1244	98/F241	392	970	9	M	6	1.61		0.044	0.21
19971200	114	28	1245	98/F242	407	1040	19	F	5	1.54		0.068	0.27
19971200	114	29	1246	98/F243	435	1270	17	M	10	1.54		0.063	0.14
19971200	114	30	1247	98/F244	375	870	6	M	10	1.65		0.057	0.16
19971200	114	31	1248	98/F245	405	1020	9	M	10	1.54		0.027	0.18
19971200	114	32	1249	98/F246	440	1250	12	F	4	1.47		0.074	0.18
19971200	114	33	1250	98/F247	440	1150	24	M	6	1.35		0.091	0.19
19971200	114	34	1251	98/F248	426	1100	11	M	10	1.42		0.065	0.20
19971200	114	35	1252	98/F249	406	990	12	M	10	1.48		0.042	0.19
19971200	114	36	1253	98/F250	412	1010	24	F	4	1.44		0.116	0.17
19971200	114	37	1254	98/F251	400	880	13	F	4	1.38		0.100	0.25
19971200	114	38	1255	98/F252	420	1140	13	M	6	1.54		0.034	0.25
19971200	114	39	1256	98/F253	446	1100		M	6	1.24		0.092	0.18
19971200	114	40	1257	98/F254	391	920	7	M	6	1.54		0.033	0.12
19971200	114	41	1258	98/F255	450	1280	17	M	6	1.40		0.084	0.23
19971200	114	42	1259	98/F256	413	1050	14	M	6	1.49		0.065	0.17
19971200	114	43	1260	98/F257	432	1220		M	6	1.51		0.043	0.20
19971200	114	44	1261	98/F258	440	980	20	M	10	1.15		0.093	0.19
19971200	114	45	1262	98/F259	425	1090	14	M	6	1.42		0.042	0.20
19971200	114	46	1263	98/F260	450	1230	13	M	6	1.35		0.059	0.24
19971200	114	47	1264	98/F261	418	1050	11	M	6	1.44		0.056	0.18
19971200	114	48	1265	98/F262	425	1200	12	M	10	1.56		0.054	0.15
19971200	114	49	1266	98/F263	404	980	9	M	10	1.49		0.035	0.18
19971200	114	50	1267	98/F264	420	1220	17	M	10	1.65		0.059	0.13
19971200	114	51	1268	98/F265	406	920	7	M	7	1.37		0.032	0.17
19971200	114	52	1269	98/F266	431	1290	14	M	7	1.61		0.119	0.10

DATE	Gillnet	Sample Number			Fork	Round	Age	Sex	Maturity	Condition	Total metal concentration in flesh (µg/g wet wt)		
(yyyymmdd)	Mesh	Field	Lockhart	Metals	length	weight	(y)			Factor			
	(mm)	Collection		Lab	(mm)	(g)					As	Hg	Se
19971200	114	53	1270	98/F267	420	1010	22	M	7	1.36		0.089	0.13
19971200	114	54	1271	98/F268	470	1470	22	M	7	1.42		0.106	<0.05
19971200	114	55	1272	98/F269	391	770	12	F	2	1.29		0.088	0.18
19971200	114	56	1273	98/F270	426	1000	13	M	7	1.29		0.067	<0.05
19971200	114	57	1274	98/F271	400	1010	12	M	7	1.58		0.055	0.17
19971200	114	58	1275	98/F272	420	1020	19	M	7	1.38		0.110	0.21
19971200	114	59	1276	98/F273	459	1490	22	M	7	1.54		0.112	0.18
19971200	114	60	1277	98/F274	429	1130	16	M	7	1.43		0.061	0.15
19971200	114	61	1278	98/F275	430	1160	10	M	6	1.46		0.084	0.14
19971200	114	62	1279	98/F276	368	770	8	M	7	1.55		0.060	0.14
19971200	114	63	1280	98/F277	426	1200	15	F	2	1.55		0.121	0.15
19971200	114	64	1281	98/F278	438	1090	19	F	2	1.30		0.096	0.08
19971200	114	65	1282	98/F279	433	1130	19	M	7	1.39		0.067	0.17
19971200	114	66	1283	98/F280	416	960	20	M	7	1.33		0.072	0.14
19971200	114	67	1284	98/F281	420	980	13	M	7	1.32		0.091	0.21
19971200	114	68	1285	98/F282	400	820	9	M	7	1.28		0.060	0.12
19971200	114	69	1286	98/F283	447	1220	12	F	2	1.37		0.073	0.12
19971200	114	70	1287	98/F284	433	1080	10	F	2	1.33		0.081	0.12
19971200	114	71	1288	98/F285	404	900	13	M	7	1.36		0.070	0.17
19971200	114	72	1289	98/F286	427	1120	12	F	2	1.44		0.061	0.11
19971200	114	73	1290	98/F287	434	1180	11	M	7	1.44		0.078	0.07
19971200	114	74	1291	98/F288	425	950	12	M	7	1.24		0.062	0.15
19971200	114	75	1292	98/F289	443	1180	14	M	7	1.36		0.072	0.19
19971200	114	76	1293	98/F290	425	1070	18	F	2	1.39		0.106	0.14
19971200	114	77	1294	98/F291	425	1010	13	M	7	1.32		0.074	0.07
19971200	114	78	1295	98/F292	426	1060	13	M	7	1.37		0.068	<0.05
19971200	114	79	1296	98/F293	440	1250	21	M	7	1.47		0.105	0.11
19971200	114	80	1297	98/F294	430	1160	13	F	2	1.46		0.071	0.21
19971200	114	81	1298	98/F295	452	1190	24	M	7	1.29		0.107	0.14
19971200	114	82	1299	98/F296	450	1140	26	M	7	1.25		0.137	0.09
19971200	114	83	1300	98/F297	429	860	21	F	2	1.09		0.108	0.10
19971200	114	84	1301	98/F298	442	1290	28	M	7	1.49		0.087	0.07
19971200	114	85	1302	98/F299	410	870	11	F	2	1.26		0.087	0.18
19971200	114	86	1303	98/F300	438	1200	16	M	7	1.43		0.090	0.20
19971200	114	87	1304	98/F301	387	700	7			1.21		0.052	0.13
19971200	114	88	1305	98/F302	414	860	12	F	2	1.21		0.079	0.15
19971200	114	89	1306	98/F303	410	980	11	M	7	1.42		0.065	0.16
19971200	114	90	1307	98/F304	450	1220		M	7	1.34		0.067	0.12
19971200	114	91	1308	98/F305	389	850	14	M	7	1.44		0.073	0.06
19971200	114	92	1309	98/F306	457	1330	12	M	7	1.39		0.060	0.06
19971200	114	93	1310	98/F307	414	870	22	M	7	1.23		0.092	0.10
19971200	114	94	1311	98/F308	400	890		F	2	1.39		0.195	0.14
19971200	114	95	1312	98/F309	451	1380	14	M	7	1.50		0.070	0.18
19971200	114	96	1313	98/F310	430	1040	14	M	7	1.31		0.055	0.15
19971200	114	97	1314	98/F311	441	1240	14	M	7	1.45		0.057	0.17
19971200	114	98	1315	98/F312	400	840		M	7	1.31		0.060	0.23
19971200	114	99	1316	98/F313	428	1010	22	F	2	1.29		0.159	0.19
19971200	114	100	1317	98/F314	367	810	6			1.64		0.041	0.13
19971200	114	101	1318	98/F315	443	1140	14	M	7	1.31		0.091	0.16
19971200	114	102	1319	98/F316	440	980		M	7	1.15		0.115	0.16
NORTHERN PIKE (*Esox lucius*)													
19971200	140	1	1419	98/F416	900	6050	21	F	2	0.83	0.05	0.362	0.12
19971200	140	2	1420	98/F417	664	2150	15	M	7	0.73	<0.05	0.255	0.12
19971200	140	3	1421	98/F418	726	2100	14	F	5	0.55	<0.05	0.561	0.12
YELLOW WALLEYE (*Stizostedion vitreum*)													
19971200	114	1	1320	98/F317	550	1910	17	F	2	1.15		0.410	0.16
19971200	114	2	1321	98/F318	496	1130	18	M	10	0.93		0.582	0.14
19971200	114	3	1322	98/F319	486	1190	15	F	2	1.04		0.446	0.15

DATE	Gillnet	Sample Number			Fork	Round	Age	Sex	Maturity	Condition	Total metal concentration in flesh (µg/g wet wt)		
(yyyymmdd)	Mesh	Field	Lockhart	Metals	length	weight	(y)			Factor			
	(mm)	Collection		Lab	(mm)	(g)					As	Hg	Se
19971200	114	4	1323	98/F320	501	1460	16	F	2	1.16		0.623	0.15
19971200	114	5	1324	98/F321	497	1410	12	F	2	1.15		0.406	0.14
19971200	114	6	1325	98/F322	500	1390	16	F	2	1.11		0.408	0.15
19971200	114	7	1326	98/F323	540	1640	14	F	2	1.04		0.630	0.13
19971200	114	8	1327	98/F324	513	1310	17	M	7	0.97		0.640	0.15
19971200	114	9	1328	98/F325	475	1190	13	F	2	1.11		0.423	0.17
19971200	114	10	1329	98/F326	490	1280	16	M	7	1.09		0.516	0.18
19971200	114	11	1330	98/F327	500	1480	17	F	2	1.18		0.418	0.12
19971200	114	12	1331	98/F328	493	1180	12	F	2	0.98		0.377	0.15
19971200	114	13	1332	98/F329	504	1460	15	F	2	1.14		0.479	0.15
19971200	114	14	1333	98/F330	454	1170	16	M	7	1.25		0.584	0.16
19971200	114	15	1334	98/F331	476	1050	19	M	7	0.97		0.741	0.12
19971200	114	16	1335	98/F332	506	1290	13	M	7	1.00		0.362	0.15
19971200	114	17	1336	98/F333	475	1370	14	F	2	1.28		0.392	0.14
19971200	114	18	1337	98/F334	382	600	7	M	6	1.08		0.166	0.14
19971200	114	19	1338	98/F335	493	1270	13	F	2	1.06		0.459	0.15
19971200	114	20	1339	98/F336	510	1190	15	F	2	0.90		0.605	0.14
19971200	114	21	1340	98/F337	524	1660	18	F	2	1.15		0.581	0.16
19971200		22	1341	98/F338	521	1450	19	F	2	1.03		0.752	0.14
19971200	114	23	1342	98/F339	463	1210	13	F	2	1.22		0.369	0.16
19971200	114	24	1343	98/F340	530	1820	17	F	2	1.22		0.431	0.10
19971200	114	25	1344	98/F341	490	1340	13	F	2	1.14		0.437	0.11
19971200	114	26	1345	98/F342	487	1220	14	F	2	1.06		0.552	0.14
19971200	114	27	1346	98/F343	480	1280	17	F	2	1.16		0.633	0.12
19971200	114	28	1347	98/F344	515	1730	15	F	2	1.27		0.487	0.12
19971200	114	29	1348	98/F345	519	1800	17	F	2	1.29		0.643	0.13
19971200	114	30	1349	98/F346	503	1430	16	F	2	1.12		0.647	0.16
19971200	114	31	1350	98/F347	470	1040	19	M	7	1.00		0.610	0.19
19971200	114	32	1351	98/F348	481	1430	13	F	2	1.28		0.316	0.10
19971200	114	33	1352	98/F349	461	1230	13	F	2	1.26		0.434	0.09
19971200	114	34	1353	98/F350	538	1740	21	F	2	1.12		0.684	0.12
19971200	114	35	1354	98/F351	507	1580	14	F	5	1.21		0.541	0.12
19971200	114	36	1355	98/F352	502	1380	18	F	2	1.09		0.733	0.11
19971200	114	37	1356	98/F353	509	1540	14	F	5	1.17		0.484	0.13
19971200	114	38	1357	98/F354	487	1260	13	F	2	1.09		0.429	0.12
19971200	114	39	1358	98/F355	504	1480	18	F	5	1.16		0.488	0.12
19971200		40	1359	98/F356	525	1720	16	F	2	1.19		0.420	0.10
19971200	140	41	1360	98/F357	460	1100	12	F	2	1.13		0.310	0.12
19971200	140	42	1361	98/F358	520	1440	15	F	2	1.02		0.627	0.15
19971200	140	43	1362	98/F359	412	930	14	F	5	1.33		0.706	0.13
19971200	140	44	1363	98/F360	480	1090	17	M	7	0.99		0.554	0.14
19971200	140	45	1364	98/F361	501	1530	15	F	2	1.22		0.245	0.16
19971200	140	46	1365	98/F362	505	1420	15	F	2	1.10		0.496	0.15
19971200	140	47	1366	98/F363	505	1710	15	F	2	1.33		0.410	0.15
19971200		48	1367	98/F364	462	970	17	F	5	0.98		0.706	0.13
19971200		49	1368	98/F365	506	1640	18	M	7	1.27		0.389	0.14
19971200	140	50	1369	98/F366	470	1090	17	F	2	1.05		0.504	0.14
19971200	140	51	1370	98/F367	455	1100	18	M	7	1.17		0.531	0.17
19971200	140	52	1371	98/F368	410	950	14	M	7	1.38		0.393	0.13
19971200	140	53	1372	98/F369	504	1500	14	F	2	1.17		0.403	0.14
19971200	140	54	1373	98/F370	484	1150	15	F	2	1.01		0.605	0.14
19971200	140	55	1374	98/F371	496	1520	17	F	2	1.25		0.534	0.13
19971200	140	56	1375	98/F372	531	1600	18	F	2	1.07		0.674	0.11
19971200	140	57	1376	98/F373	480	1230	17	F	2	1.11		0.598	0.15
19971200	114	58	1377	98/F374	490	1360	17	F	2	1.16		0.399	0.14
19971200	114	59	1378	98/F375	561	1910	17	F	2	1.08		0.501	0.13
19971200	114	60	1379	98/F376	495	1400	19	F	5	1.15		0.555	0.13
19971200	114	61	1380	98/F377	500	1350	15	F	2	1.08		0.427	0.14
19971200	114	62	1381	98/F378	490	1400	14	F	2	1.19		0.398	0.15

DATE (yyyymmdd)	Gillnet Mesh (mm)	Sample Number Field Collection	Lockhart	Metals Lab	Fork length (mm)	Round weight (g)	Age (y)	Sex	Maturity	Condition Factor	Total metal concentration in flesh (µg/g wet wt) As	Hg	Se
19971200	114	63	1382	98/F379	475	1180	18	M	7	1.10		0.496	0.16
19971200	114	64	1383	98/F380	500	1430	16	F	2	1.14		0.410	0.14
19971200	114	65	1384	98/F381	490	1290	18	F	2	1.10		0.418	0.14
19971200	114	66	1385	98/F382	520	1420	15	F	5	1.01		0.571	0.17
19971200	114	67	1386	98/F383	501	1160	13	F	2	0.92		0.368	0.16
19971200	114	68	1387	98/F384	465	1070	18	F	5	1.06		0.484	0.13
19971200	114	69	1388	98/F385	530	1510	17	F	2	1.01		0.538	0.13
19971200	114	70	1389	98/F386	510	1550	16	F	2	1.17	<0.05	0.325	0.19
19971200	114	71	1390	98/F387	535	1720	16	F	2	1.12	<0.05	0.471	0.21
19971200	114	72	1391	98/F388	480	1210	13	F	2	1.09	<0.05	0.340	0.23
19971200	114	73	1392	98/F389	455	900	17	M	7	0.96	<0.05	0.586	0.24
19971200	114	74	1393	98/F390	501	1300	17	F	5	1.03	<0.05	0.541	0.23
19971200	114	75	1394	98/F391	400	740	7	F	5	1.16	<0.05	0.122	0.26
19971200	114	76	1395	98/F392	523	1480	15	F	2	1.03	<0.05	0.398	0.21
19971200	114	77	1396	98/F393	484	1310	17	F	2	1.16	<0.05	0.404	0.18
19971200	114	78	1397	98/F394	514	1410	17	F	5	1.04	<0.05	0.478	0.15
19971200	114	79	1398	98/F395	462	800	20	M	7	0.81	<0.05	0.721	0.12
19971200	114	80	1399	98/F396	527	1580	17	F	2	1.08	<0.05	0.530	0.13
19971200	114	81	1400	98/F397	459	960	12	F	2	0.99	<0.05	0.292	0.13
19971200	114	82	1401	98/F398	506	1430	19	F	2	1.10	<0.05	0.563	0.15
19971200	114	83	1402	98/F399	516	1610	16	F	2	1.17		0.552	0.14
19971200	114	84	1403	98/F400	484	1410	13	F	2	1.24		0.386	0.14
19971200	114	85	1404	98/F401	478	1350	14	F	2	1.24		0.413	0.14
19971200	114	86	1405	98/F402	542	1770	19	F	2	1.11		0.505	0.12
19971200	114	87	1406	98/F403	490	1190	14	F	2	1.01		0.485	0.16
19971200	114	88	1407	98/F404	497	1400	16	F	2	1.14		0.590	0.17
19971200	114	89	1408	98/F405	500	1470	17	F	2	1.18		0.629	0.14
19971200	114	90	1409	98/F406	490	1250	16	F	2	1.06		0.481	0.14
19971200	114	91	1410	98/F407	464	1040	17	M	7	1.04		0.537	0.18
19971200	114	92	1411	98/F408	535	1840	16	F	2	1.20		0.471	0.16
19971200	114	93	1412	98/F409	400	750	7	M	7	1.17		0.186	0.12
19971200	114	94	1413	98/F410	480	1200	17	F	5	1.09		0.393	0.16
19971200		95	1414	98/F411	535	1800	15			1.18		0.336	0.12
19971200	114	96	1415	98/F412	500	1240	20	F	5	0.99		0.504	0.13
19971200	114	97	1416	98/F413	516	1630	14	F	2	1.19		0.373	0.11
19971200	114	98	1417	98/F414	477	1430	13	F	2	1.32		0.295	0.17
19971200	114	99	1418	98/F415	506	1490	18	F	2	1.15		0.546	0.11

* Fish were captured in December 1997. The day of capture was not recorded.

Appendix 13. Biological and tissue metals data from fish caught at Willow Lake, NT, in March 1999, organized by species, collection date, and gillnet mesh size.

DATE (yyyymmdd)	Gillnet mesh (mm)	Sample Number: Field Collection	Lockhart	Metals Lab	Fork length (mm)**	Round weight (g)	Age (y)	Sex	Condition Factor	Metal concentration in flesh (µg/g wet wt): MeHg	Total Hg	Parasites*
BURBOT (*Lota lota*)												
19990311	89	58	1696	99/F108	510	830	9	7	0.63		0.090	
19990313	89	189	1827	99/F239	706	2300	12	7	0.65		0.315	
19990314	89	237	1875	99/F287	650	2140	10	6	0.78		0.241	
19990314	89	238	1876	99/F288	425	590	4	0	0.77		0.055	
19990314	140	208	1846	99/F258	652	2150	9	6	0.78		0.322	
19990314	140	209	1847	99/F259	668	2030	11	6	0.68		0.375	
19990314	140	210	1848	99/F260	665	2140	12	6	0.73		0.388	
LAKE TROUT (*Salvelinus namaycush*)												
19990311	114	92	1730	99/F142	570	1530	14		0.83		0.493	
19990311	114	93	1731	99/F143	700	3710	20	10	1.08		0.383	
19990311	114	94	1732	99/F144	560	1890			1.08		0.383	
19990311	114	95	1733	99/F145	550	1920			1.15		0.405	
19990311	140	139	1777	99/F189	575	2120	13	5	1.12		0.463	
19990311	140	140	1778	99/F190	519	1520	8	5	1.09		0.421	
19990311	140	142	1780	99/F192	810	6580		5	1.24		0.414	
19990311	140	143	1781	99/F193	803	6230	15	5	1.20		0.360	
19990311	140	144	1782	99/F194	790	5920		5	1.20		0.389	
19990311	140	145	1783	99/F195	584	2480		10	1.25		0.390	
19990311	140	146	1784	99/F196	580	2230	19	5	1.14		0.445	
19990312	89	69	1707	99/F119	635	2960		5	1.16		0.286	GI
19990312	114	126	1764	99/F176	504	1440		5	1.12		0.161	GI
19990312	140	147	1785	99/F197	845	10500	20	5	1.74		0.441	
19990312	140	148	1786	99/F198	712	4260	21	5	1.18		0.335	
19990312	140	149	1787	99/F199	588	1940		5	0.95		0.329	
19990312	140	150	1788	99/F200	527	1780		10	1.22		0.453	
19990312	140	151	1789	99/F201	577	2430	19	5	1.26		0.328	
19990313	89	186	1824	99/F236	573	2090		5	1.11		0.466	
19990313	89	194	1832	99/F244	562	1760		5	0.99		0.506	GI
19990314	89	11	1649	99/F61	598	2340		10	1.09		0.344	GI
19990314	114	99	1737	99/F149	420	1060	11	5	1.43		0.077	GI
19990314	114	106	1744	99/F156	560	2110	22	7	1.20		0.342	
19990314	114	107	1745	99/F157	570	1900		5	1.03		0.539	
19990314	140	164	1802	99/F214	548	2400	10	10	1.46		0.379	GI
19990314	140	165	1803	99/F215	572	1710	9	10	0.91		0.316	GI
19990314	140	166	1804	99/F216	570	1940	13	10	1.05		0.332	GI
19990314	140	167	1805	99/F217	566	2140	21	10	1.18		0.405	GI
19990314	140	168	1806	99/F218	591	2550	15	10	1.24		0.300	GI
19990314	140	162	1800	99/F212	755	8460	22	5	1.97		0.288	
19990314	140	163	1801	99/F213	633	3330	10	1	1.31		0.256	
19990314	89	239	1877	99/F289	536	1840	18	10	1.19		0.387	
19990314	114	219	1857	99/F269	575	2150		5	1.13		0.435	GI
LAKE WHITEFISH (*Coregonus clupeaformis*)												
19990311	89	39	1677	99/F89	340	590	6	1	1.50		0.032	GI
19990311	89	40	1678	99/F90	380	670	9	10	1.22		0.045	GI
19990311	89	41	1679	99/F91	410	860	9	10	1.25		0.065	GI
19990311	89	42	1680	99/F92	390	950	9	10	1.60		0.085	GI
19990311	89	43	1681	99/F93	410	1060	7	6	1.54		0.090	GI
19990311	89	44	1682	99/F94	420	1030		5	1.39		0.069	GI
19990311	89	45	1683	99/F95	435	1290	18?	4	1.57		0.233	GI
19990311	89	46	1684	99/F96	400	900	12	5	1.41		0.057	GI
19990311	89	47	1685	99/F97	410	900	9	5	1.31		0.049	GI

DATE (yyyymmdd)	Gillnet mesh (mm)	Sample Number Field Collection	Lockhart	Metals Lab	Fork length (mm)**	Round weight (g)	Age (y)	Sex	Condition Factor	Metal concentration in flesh (µg/g wet wt) MeHg	Total Hg	Parasites*
19990311	89	48	1686	99/F98	430	1200	7	6	1.51		0.134	GI
19990311	89	49	1687	99/F99	380	800		6	1.46		0.109	GI
19990311	89	50	1688	99/F100	330	450	8?	1	1.25		0.030	GI
19990311	89	51	1689	99/F101	405	1090	10	7	1.64		0.055	GI
19990311	89	52	1690	99/F102	360	700		1	1.50		0.065	GI
19990311	89	53	1691	99/F103	430	1240	9	5	1.56		0.109	GI
19990311	89	54	1692	99/F104	430	980	11	5	1.23		0.083	GI
19990311	89	55	1693	99/F105	340	540	7	1	1.37		0.075	GI
19990311	114	74	1712	99/F124	450	1550		10	1.70		0.158	GI
19990311	114	75	1713	99/F125	410	930	9	5	1.35		0.110	GI
19990311	114	76	1714	99/F126	390	940		5	1.58		0.076	GI
19990311	114	77	1715	99/F127	490	1330		10	1.13		0.212	GI
19990311	114	78	1716	99/F128	415	1300		5	1.82		0.140	GI
19990311	114	79	1717	99/F129	410	1060	7	6	1.54		0.044	GI
19990311	114	80	1718	99/F130	420	970	7	10	1.31		0.070	GI
19990311	114	81	1719	99/F131	420	1030	7	10	1.39		0.071	GI
19990311	114	82	1720	99/F132	423	1180	9	5	1.56		0.106	GI
19990311	114	83	1721	99/F133	415	920	7	10	1.29		0.031	GI
19990311	114	84	1722	99/F134	400	860	12?	10	1.34		0.059	GI
19990311	114	85	1723	99/F135	420	990	8	10	1.34		0.088	GI
19990311	114	86	1724	99/F136	430	1130	7	10	1.42		0.088	GI
19990311	114	87	1725	99/F137	450	1380	11	10	1.51		0.137	GI
19990311	114	88	1726	99/F138	390	720	12	4	1.21		0.056	GI
19990311	114	89	1727	99/F139	420	970		5	1.31		0.079	GI
19990311	114	90	1728	99/F140	410	980	8	10	1.42		0.064	GI
19990311	114	91	1729	99/F141	410	920	13	5	1.33		0.113	GI
19990311	140	130	1768	99/F180	460	1600		6	1.64		0.137	GI, SB
19990311	140	134	1772	99/F184	444	1180	10	6	1.35		0.066	GI, SB
19990311	140	129	1767	99/F179	455	1360	8	1	1.44		0.148	GI
19990311	140	131	1769	99/F181	425	1140	8	6	1.49		0.095	GI
19990311	140	132	1770	99/F182	438	1270	10	6	1.51		0.109	GI
19990311	140	133	1771	99/F183	420	1080	9	6	1.46		0.106	GI
19990311	140	135	1773	99/F185	401	850		6	1.32		0.038	GI
19990311	140	136	1774	99/F186	430	1160		5	1.46		0.052	GI
19990311	140	137	1775	99/F187	426	1080		6	1.40		0.044	GI
19990311	140	138	1776	99/F188	397	950	10	6	1.52		0.037	GI
19990312	89	60	1698	99/F110	390	700	13	11	1.18		0.069	GI
19990312	89	61	1699	99/F111	390	880	8	5	1.48		0.138	GI
19990312	89	62	1700	99/F112	420	1020		5	1.38		0.179	GI
19990312	89	63	1701	99/F113	390	880	13	5	1.48		0.057	GI
19990312	89	64	1702	99/F114	360	600	7	6	1.29		0.037	GI
19990312	89	65	1703	99/F115	355	660	6	6	1.48		0.075	GI
19990312	89	66	1704	99/F116	375	830	7	5	1.67		0.045	GI
19990312	89	67	1705	99/F117	410	890	11	6	1.29		0.080	GI
19990312	89	59	1697	99/F109	390	750	10	5	1.26		0.065	
19990312	114	120	1758	99/F170	390	760	14	6	1.28		0.049	GI
19990312	114	121	1759	99/F171	450	1310	8	6	1.44		0.076	GI
19990312	114	122	1760	99/F172	433	1040	7	1	1.28		0.065	GI
19990312	114	123	1761	99/F173	448	1320	7	1	1.47		0.114	GI
19990312	114	124	1762	99/F174	430	950	8	5	1.19		0.093	GI
19990312	114	125	1763	99/F175	429	1150	9	5	1.46		0.058	GI
19990312	140	152	1790	99/F202	422	1160	6	1	1.54		0.129	
19990312	140	153	1791	99/F203	451	1460		6	1.59		0.140	GI, SB
19990312	140	154	1792	99/F204	406	860	7	1	1.29		0.073	
19990313	89	26	1664	99/F76	438	990		5	1.18		0.133	GI, SB
19990313	89	28	1666	99/F78	391	960	7	1	1.61		0.051	GI, SB
19990313	89	18	1656	99/F68	470	1380	8	6	1.33		0.139	GI
19990313	89	20	1658	99/F70	440	1220	9	1	1.43		0.092	GI
19990313	89	21	1659	99/F71	368	690	7	2	1.38		0.090	GI

DATE (yyyymmdd)	Gillnet mesh (mm)	Sample Number: Field Collection	Lockhart	Metals Lab	Fork length (mm)**	Round weight (g)	Age (y)	Sex	Condition Factor	Metal concentration in flesh (µg/g wet wt): MeHg	Total Hg	Parasites*
19990313	89	22	1660	99/F72	412	961	7	1	1.37		0.061	GI
19990313	89	23	1661	99/F73	440	1360	7	1	1.60		0.117	GI
19990313	89	24	1662	99/F74	424	1100	7	5	1.44		0.122	GI
19990313	89	25	1663	99/F75	352	540	7?	1	1.24		0.053	GI
19990313	89	27	1665	99/F77	341	530	8	6	1.34		0.083	GI
19990313	89	29	1667	99/F79	444	1090		5	1.25		0.083	GI
19990313	89	30	1668	99/F80	284	380	6	0	1.66		0.038	GI
19990313	89	19	1657	99/F69	408	960	9?	1	1.41		0.059	
19990313	114	111	1749	99/F161	387	870	7	6	1.50		0.132	GI, SB
19990313	114	112	1750	99/F162	430	1130	7	6	1.42		0.033	GI, SB
19990313	114	113	1751	99/F163	388	840	9	1	1.44		0.076	GI, SB
19990313	114	108	1746	99/F158	455	1400	8	10	1.49		0.061	GI
19990313	114	109	1747	99/F159	465	1420	12	5	1.41		0.126	GI
19990313	114	110	1748	99/F160	387	870		1	1.50		0.094	GI
19990313	114	114	1752	99/F164	381	820	9	5	1.48		0.108	GI
19990313	114	115	1753	99/F165	440	1190	13	6	1.40		0.055	GI
19990313	114	116	1754	99/F166	431	980	11	5	1.22		0.084	GI
19990313	140	161	1799	99/F211	436	1190		6	1.44		0.111	GI, SB
19990313	140	155	1793	99/F205	460	1370	5	5	1.41		0.124	GI
19990313	140	157	1795	99/F207	465	1450		6	1.44		0.141	GI
19990313	140	158	1796	99/F208	455	1560	11	10	1.66		0.079	GI
19990313	140	159	1797	99/F209	418	940	6	1	1.29		0.164	GI
19990313	140	160	1798	99/F210	430	1140	7	5	1.43		0.061	GI
19990313	140	156	1794	99/F206	441	1250	14	6	1.46		0.073	
19990313	89	171	1809	99/F221	420	1080	11	5	1.46		0.107	GI
19990313	89	172	1810	99/F222	440	1110	9	10	1.30		0.036	GI
19990313	89	174	1812	99/F224	410	810		10	1.18		0.063	GI
19990313	89	175	1813	99/F225	350	630	6	6	1.47		0.048	GI
19990313	89	176	1814	99/F226	345	600	5	6	1.46		0.057	GI
19990313	89	177	1815	99/F227	375	740	7	1	1.40		0.096	GI
19990313	89	180	1818	99/F230	335	550	6	1	1.46		0.049	GI
19990313	89	181	1819	99/F231	330	480	6	1	1.34		0.039	GI
19990313	89	182	1820	99/F232	410	820	9	1	1.19		0.034	GI
19990313	89	184	1822	99/F234	440	1100	11	10	1.29		0.107	GI
19990313	89	185	1823	99/F235	435	1160	7	1	1.41		0.058	GI
19990313	89	173	1811	99/F223	430	1140	9	4	1.43		0.076	
19990313	89	178	1816	99/F228	365	710		6	1.46		0.081	
19990313	89	179	1817	99/F229	390	690	6	2	1.16		0.068	
19990313	89	183	1821	99/F233	442	1210	9	5	1.40		0.126	
19990313	114	198	1836	99/F248	434	1150		6	1.41		0.093	GI, SB
19990313	114	195	1833	99/F245	420	1140	10	6	1.54		0.120	GI
19990313	114	196	1834	99/F246	465	1620	10	5	1.61		0.137	GI
19990313	114	197	1835	99/F247	391	780		6	1.30		0.053	GI
19990313	114	199	1837	99/F249	412	1170	10	1	1.67		0.108	GI
19990313	114	200	1838	99/F250	382	740	7	5	1.33		0.053	GI
19990313	114	201	1839	99/F251	401	850	8	1	1.32		0.135	GI
19990313	114	202	1840	99/F252	356	630	10	6	1.40		0.055	GI
19990313	140	190	1828	99/F240	414	1020	13	5	1.44		0.030	GI
19990313	140	191	1829	99/F241	406	950	9	1	1.42		0.134	GI
19990313	140	192	1830	99/F242	446	1270	10	1	1.43		0.126	GI
19990313	140	193	1831	99/F243	434	1300	9	6	1.59		0.132	GI
19990314	89	2	1640	99/F52	441	1230	20	5	1.43		0.135	GI, SB
19990314	89	3	1641	99/F53	420	1100	20	10	1.48		0.058	GI
19990314	89	4	1642	99/F54	400	890	11	10	1.39		0.038	GI
19990314	89	5	1643	99/F55	283	310		6	1.37		0.038	GI
19990314	89	6	1644	99/F56	328	480	7	6	1.36		0.083	GI
19990314	89	7	1645	99/F57	390	840	12	1	1.42		0.090	GI
19990314	89	8	1646	99/F58	451	1410	13		1.54		0.060	GI
19990314	89	9	1647	99/F59	350	590	5	6	1.38		0.038	GI

DATE (yyyymmdd)	Gillnet mesh (mm)	Sample Number: Field Collection	Lockhart	Metals Lab	Fork length (mm)**	Round weight (g)	Age (y)	Sex	Condition Factor	Metal concentration in flesh (µg/g wet wt): MeHg	Total Hg	Parasites*
19990314	89	10	1648	99/F60	334	540	8	6	1.45		0.023	GI
19990314	89	1	1639	99/F51	438	1250	8	10	1.49		0.110	MU
19990314	114	96	1734	99/F146	400	790	10	5	1.23		0.046	GI
19990314	114	97	1735	99/F147	440	1290	10	10	1.51		0.143	GI
19990314	114	98	1736	99/F148	440	1180		10	1.39		0.060	GI
19990314	114	100	1738	99/F150	350	550	6	6	1.28		0.104	GI
19990314	114	101	1739	99/F151	410	940	6	5	1.36		0.128	GI
19990314	114	102	1740	99/F152	400	830	7	10	1.30		0.044	GI
19990314	114	103	1741	99/F153	290	360	7	5	1.48		0.032	GI
19990314	140	169	1807	99/F219	450	1230	8	1	1.35		0.061	GI
19990314	140	170	1808	99/F220	400	850	10	6	1.33		0.035	GI
19990314	89	220	1858	99/F270	400	880	10	10	1.38		0.104	GI, SB
19990314	89	224	1862	99/F274	390	870	8	5	1.47		0.082	GI, SB
19990314	89	229	1867	99/F279	371	730	10	5	1.43		0.048	GI, SB
19990314	89	234	1872	99/F284	405	1060	9	5	1.60		0.105	GI, SB
19990314	89	221	1859	99/F271	425	1270	7	6	1.65		0.126	GI
19990314	89	222	1860	99/F272	388	710		10	1.22		0.089	GI
19990314	89	223	1861	99/F273	371	740	9	6	1.45		0.062	GI
19990314	89	225	1863	99/F275	289	290	6	6	1.20		0.020	GI
19990314	89	226	1864	99/F276	425	1300	9	5	1.69		0.186	GI
19990314	89	227	1865	99/F277	315	400	5	6	1.28		0.072	GI
19990314	89	228	1866	99/F278	430	1110	9	10	1.40		0.134	GI
19990314	89	230	1868	99/F280	358	600	6	6	1.31		0.031	GI
19990314	89	231	1869	99/F281	401	840	12	5	1.30		0.088	GI
19990314	89	233	1871	99/F283	360	610		1	1.31		0.031	GI
19990314	89	232	1870	99/F282	377	740	8	10	1.38		0.114	
19990314	114	212	1850	99/F262	385	760	9	6	1.33		0.049	GI, SB
19990314	114	213	1851	99/F263	385	820	8	6	1.44		0.089	GI, SB
19990314	114	217	1855	99/F267	348	540	7	6	1.28		0.063	GI, SB
19990314	114	218	1856	99/F268	354	600	9	6	1.35		0.117	GI, SB
19990314	114	211	1849	99/F261	402	970		6	1.49		0.063	GI
19990314	114	214	1852	99/F264	394	950	9	6	1.55		0.086	GI
19990314	114	215	1853	99/F265	456	1540	12	10	1.62		0.161	GI
19990314	114	216	1854	99/F266	427	1180	13	6	1.52		0.133	GI
19990314	140	205	1843	99/F255	418	1150		6	1.57		0.161	GI, SB
19990314	140	206	1844	99/F256	450	1300		5	1.43		0.083	GI, SB
19990314	140	203	1841	99/F253	396	810	8	1	1.30		0.037	GI
19990314	140	204	1842	99/F254	381	770	8	6	1.39		0.036	GI
19990314	140	207	1845	99/F257	405	910	11	5	1.37		0.138	GI
LONGNOSE SUCKER (*Catostomus catostomus*)												
19990311	114	73	1711	99/F123	420	1150			1.55		0.152	
19990312	89	68	1706	99/F118	390	800			1.35		0.104	
19990314	114	104	1742	99/F154	520	2060		2	1.47		0.178	
NORTHERN PIKE (*Esox lucius*)												
19990311	89	56	1694	99/F106	850	5100		2	0.83		0.233	
19990311	89	57	1695	99/F107	720	2630		2	0.70	0.419	0.539	
19990311	140	141	1779	99/F191	645	1920		2	0.72		0.469	
19990312	89	70	1708	99/F120	610	1740		7	0.77		0.249	
19990312	89	71	1709	99/F121	495	970		7	0.80		0.150	
19990312	89	72	1710	99/F122	660	2200		7	0.77		0.302	
19990312	114	127	1765	99/F177	772	3800		2	0.83		0.480	
19990312	114	128	1766	99/F178	730	2820		5	0.72		0.287	
19990313	89	31	1669	99/F81	760	3430		7	0.78		0.300	
19990313	89	32	1670	99/F82	700	2670		2	0.78		0.482	
19990313	89	33	1671	99/F83	721	3000		2	0.80		0.353	
19990313	89	34	1672	99/F84	738	2810		5	0.70		0.288	
19990313	89	35	1673	99/F85	657	2250		2	0.79		0.305	
19990313	89	36	1674	99/F86	642	1550		6	0.59	0.395	0.566	

DATE (yyyymmdd)	Gillnet mesh (mm)	Sample Number			Fork length (mm)**	Round weight (g)	Age (y)	Sex	Condition Factor	Metal concentration in flesh (µg/g wet wt)		Parasites*
		Field Collection	Lockhart	Metals Lab						MeHg	Total Hg	
19990313	89	37	1675	99/F87	567	1380		6	0.76		0.126	
19990313	89	38	1676	99/F88	435	700		6	0.85		0.088	
19990313	114	117	1755	99/F167	577	1350		7	0.70		0.301	
19990313	114	118	1756	99/F168	545	1340		6	0.83		0.160	
19990313	114	119	1757	99/F169	545	1090		1	0.67		0.134	
19990313	89	187	1825	99/F237	588	1320		6	0.65		0.357	
19990313	89	188	1826	99/F238	600	1250		6	0.58		0.433	
19990314	89	12	1650	99/F62	725	2700	8	2	0.71		0.372	
19990314	89	13	1651	99/F63	695	2150	9?	2	0.64		0.256	
19990314	89	14	1652	99/F64	655	1860		7	0.66		0.041	
19990314	89	15	1653	99/F65	669	2110		2	0.70	0.391	0.502	
19990314	89	16	1654	99/F66	570	1440		2	0.78		0.152	
19990314	89	17	1655	99/F67	568	1360		1	0.74	0.101	0.123	
19990314	114	105	1743	99/F155	555	1340		7	0.78		0.158	
19990314	89	235	1873	99/F285	537	1250		7	0.81		0.152	
19990314	89	236	1874	99/F286	490	960		1	0.82		0.125	

*Parasites: GI = cysts on gut, SB = worms in swimbladder (*Cystidicola* sp.), MU =cysts in muscle (*Triaenophorus crassus*).
**total length for burbot.